

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Littlejohn Creek	Left	2.59	09/25/2015 09/25/2015	Pavel Kazi

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
			°		°
DWR ID	DWR_NA0017_01_s _ 2013_3				
Action/Comments					
Inspector Comments: The LMA has the all the required O&M manuals.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
			°		°
DWR ID	DWR_NA0017_01_s _ 2013_5				
Action/Comments					
Inspector Comments: The LMA has all the required materials at their site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
			°		°
DWR ID	DWR_NA0017_01_s _ 2013_9				
Action/Comments					
Inspector Comments: The LMA has all the required booklets from DWR, flood response plan and most of their employees are trained to be a flood fighter.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	09/25/2015 09/25/2015	Pavel Kazi

LM Start	0.29	Rating **	M	Issue No.	125
LM End	0.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.875189 °	37.875189
				-121.225048 °	-121.225048
DWR ID	DWR_NA0017_02_s_2015_125				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0017_149_125_20150911_00006.jpg



A slope instability was found on the landside of the levee looking upstream.

LM Start	1.91	Rating **	M	Issue No.	14
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.881857 °	37.882421 °
				-121.249441 °	-121.250336 °
DWR ID	DWR_NA0017_02_f_2015_14				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_NA0017_149_14_20150928_00011.jpg



View of the vegetation on the waterside of the levee looking upstream.

LM Start	1.97	Rating **	M	Issue No.	127
LM End	1.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.882404 °	37.882404 °
				-121.250359 °	-121.250359 °
DWR ID	DWR_NA0017_02_s_2015_127				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2015_NA0017_149_127_20150911_00007.jpg



Erosion was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	09/25/2015 09/25/2015	Pavel Kazi

LM Start	2.06	Rating **	M	Issue No.	12
LM End	2.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883147 °	37.883147 °
				-121.251649 °	-121.251649 °
DWR ID	DWR_NA0017_02_f_2015_12				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_149_12_20150928_00009.jpg



View of erosion due to runoff on the waterside slope of the levee looking upstream.

LM Start	2.11	Rating **	M	Issue No.	128
LM End	2.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.883599 °	37.883599 °
				-121.252355 °	-121.252355 °
DWR ID	DWR_NA0017_02_s_2015_128				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_149_128_20150911_00008.jpg



Erosion caused by runoff on the waterside looking upstream.

LM Start	2.22	Rating **	M	Issue No.	4
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.884741 °	37.884741 °
				-121.253808 °	-121.253808 °
DWR ID	DWR_NA0017_02_s_2014_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_149_4_20150928_00010.jpg



Updated picture of the erosion on the waterside of the levee during fall 2015 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	09/25/2015 09/25/2015	Pavel Kazi

LM Start	2.22	Rating **	M	Issue No.	4 (cont)
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.884741 °	37.884741 °
				-121.253808 °	-121.253808 °
DWR ID	DWR_NA0017_02_s_2014_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 2 of 2 : FA_2015_NA0017_149_4_20150911_00002.jpg



View of the erosion on the waterside shoulder looking upstream during spring 2015 inspection.

LM Start	2.65	Rating **	A/W	Issue No.	8
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.888853 °	37.888853 °
				-121.258640 °	-121.258640 °
DWR ID	DWR_NA0017_02_s_2012_8				
Action/Comments					
Pipe Inspector Comments: Pipe crossing the channel has corroded and can carry water to/from the channel. A flap gate was installed by the LMA, but the pipe appeared to be damaged.					

Photo 1 of 2 : FA_2015_NA0017_149_8_20150911_00004.jpg



A flap gate was installed at the end of the pipe, but the pipe appeared to have cracks. The picture was taken from the crown looking upstream during fall 2014 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Littlejohn Creek	Right	3.20	09/25/2015 09/25/2015	Pavel Kazi

LM Start	2.65	Rating **	A/W	Issue No.	8 (cont)	
LM End	2.65	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			37.888853 °		37.888853 °
				-121.258640 °		-121.258640 °
DWR ID	DWR_NA0017_02_s _ 2012_8					
Action/Comments						
Pipe						
Inspector Comments: Pipe crossing the channel has corroded and can carry water to/from the channel. A flap gate was installed by the LMA, but the pipe appeared to be damaged.						

Photo 2 of 2 : FA_2015_NA0017_149_8_20150911_00005.jpg



A pipe was found without a flap gate on waterside slope of the levee looking downstream. This pipe may predate the project.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 06 SPRR Drain	Left	0.46	10/16/2015 10/16/2015	Pavel Kazi

LM Start	0.06	Rating **	M	Issue No.	3
LM End	0.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.979193 °	37.979229 °
				-121.097709 °	-121.095906 °
DWR ID	DWR_NA0017_06_f _ 2015_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_NA0017_150_3_20151023_00001.jpg



View of the vegetation on the waterside of the levee.

LM Start	0.19	Rating **	M	Issue No.	2
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979243 °	37.979243 °
				-121.095360 °	-121.095360 °
DWR ID	DWR_NA0017_06_f_2015_2				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_150_2_20151023_00002.jpg



A rodent hole was found on the waterside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	0.69	Rating **	C	Issue No.	2
LM End	0.69	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043468 °	38.043468 °
				-121.361022 °	-121.361022 °
DWR ID	DWR_NA0017_07_s _ 2013_2				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	1.15	Rating **	C	Issue No.	74
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043273 °	38.043273 °
				-121.352491 °	-121.352491 °
DWR ID	DWR_NA0017_07_f _ 2014_74				
Action/Comments					
Stairway					

No Photos

LM Start	1.54	Rating **	M	Issue No.	76
LM End	1.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043304 °	38.043304 °
				-121.345485 °	-121.345485 °
DWR ID	DWR_NA0017_07_f _ 2014_76				
Action/Comments					
Stairway					

Photo 1 of 1 : FA_2015_NA0017_151_76_20150911_00034.jpg



A stairway was found on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	1.66	Rating **	C	Issue No.	77
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043288 °	38.043288 °
				-121.343199 °	-121.343199 °
DWR ID	DWR_NA0017_07_f_2014_77				
Action/Comments					
Prunings					

No Photos

LM Start	1.68	Rating **	M	Issue No.	11
LM End	1.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043276 °	38.043276 °
				-121.342812 °	-121.342812 °
DWR ID	DWR_NA0017_07_f_2013_11				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff on the landside slope.					

Photo 1 of 1 : FA_2015_NA0017_151_11_20150911_00004.jpg



Runoff was discovered on the landside slope of the levee looking upstream.

LM Start	2.01	Rating **	M	Issue No.	35
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043243 °	38.043243 °
				-121.336780 °	-121.336780 °
DWR ID	DWR_NA0017_07_s_2015_35				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 2 : FA_2015_NA0017_151_35_20150928_00062.jpg



Updated picture of the erosion on the landside of the levee during fall 2015 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	2.01	Rating **	M	Issue No.	35 (cont)
LM End	2.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043243 °	38.043243
				-121.336780 °	-121.336780
DWR ID	DWR_NA0017_07_s _ 2015_35				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Runoff					

Photo 2 of 2 : FA_2015_NA0017_151_35_20150911_00012.jpg



Erosion caused by runoff on the landside of the levee looking upstream.

LM Start	2.32	Rating **	C	Issue No.	81
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.043213 °	38.043213 °
				-121.331189 °	-121.331189 °
DWR ID	DWR_NA0017_07_f _ 2014_81				
Action/Comments					
Prunings					

No Photos

LM Start	2.71	Rating **	M	Issue No.	83
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043189 °	38.043189
				-121.323881 °	-121.323881
DWR ID	DWR_NA0017_07_f _ 2014_83				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_151_83_20150911_00037.jpg



Rodent holes were found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	3.34	Rating **	C	Issue No.	86
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.043126 °	38.043126 °
				-121.312462 °	-121.312462 °
DWR ID	DWR_NA0017_07_f_2014_86				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	3.48	Rating **	C	Issue No.	24
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.043025 °	38.043025 °
				-121.309918 °	-121.309918 °
DWR ID	DWR_NA0017_07_f_2013_24				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff was discovered.					

No Photos

LM Start	4.32	Rating **	M	Issue No.	37
LM End	4.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.044853 °	38.044853 °
				-121.295143 °	-121.295143 °
DWR ID	DWR_NA0017_07_f_2015_37				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_151_37_20150928_00063.jpg



Debris was found on the waterside toe of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	5.50	Rating **	M	Issue No.	73
LM End	5.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052753 °	38.052753
				-121.277680 °	-121.277680
DWR ID	DWR_NA0017_07_f_2012_73				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion caused by vehicle, and the slopes are stable.					

Photo 1 of 1 : FA_2015_NA0017_151_73_20150911_00033.jpg



Slope instability was found on the landside of the levee looking upstream.

LM Start	5.53	Rating **	M	Issue No.	43
LM End	5.53	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052794 °	38.052794 °
				-121.277035 °	-121.277035 °
DWR ID	DWR_NA0017_07_f_2013_43				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff on the landside.					

Photo 1 of 1 : FA_2015_NA0017_151_43_20150911_00017.jpg



Runoff was found on the landside slope of the levee looking upstream.

LM Start	5.63	Rating **	C	Issue No.	51
LM End	5.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052849 °	38.052849 °
				-121.275175 °	-121.275175 °
DWR ID	DWR_NA0017_07_s_2015_51				
Action/Comments					
Repair slope instability.					
Inspector Comments: Runoff					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	5.74	Rating **	C	Issue No.	92
LM End	5.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.053335 °	38.053335
				-121.273287 °	-121.273287
DWR ID	DWR_NA0017_07_f _ 2014_92				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	5.97	Rating **	C	Issue No.	93
LM End	5.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.053816 °	38.053816 °
				-121.269136 °	-121.269136 °
DWR ID	DWR_NA0017_07_f _ 2014_93				
Action/Comments					
Debris					
Inspector Comments: The hole was drilled for testing purpose on the landside toe of the levee.					

No Photos

LM Start	6.03	Rating **	C	Issue No.	87
LM End	6.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.054191 °	38.054191 °
				-121.268250 °	-121.268250 °
DWR ID	DWR_NA0017_07_f _ 2014_87				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	6.60	Rating **	M	Issue No.	40
LM End	6.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.059303 °	38.059303 °
				-121.261736 °	-121.261736 °
DWR ID	DWR_NA0017_07_f _ 2015_40				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_151_40_20150928_00064.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

LM Start	7.09	Rating **	M	Issue No.	63
LM End	7.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.063929 °	38.063929 °
				-121.254950 °	-121.254950 °
DWR ID	DWR_NA0017_07_s_2015_63				
Action/Comments					
Repair slope instability.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_151_63_20150911_00030.jpg



Slope instability was found on the landside of the levee looking upstream.

LM Start	7.33	Rating **	M	Issue No.	102
LM End	7.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.064983 °	38.064983
				-121.251043 °	-121.251043
DWR ID	DWR_NA0017_07_f_2014_102				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_151_102_20150911_00048.jpg



View of erosion caused by runoff found on the landside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	8.44	Rating **	M	Issue No.	29
LM End	8.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.068319 °	38.068319
				-121.231559 °	-121.231559
DWR ID	DWR_NA0017_07_s_2012_29				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA_2015_NA0017_151_29_20150911_00009.jpg



View of prunings found on the landside of the levee looking upstream.

LM Start	9.52	Rating **	M	Issue No.	103
LM End	9.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.073712 °	38.073712 °
				-121.214236 °	-121.214236 °
DWR ID	DWR_NA0017_07_f_2014_103				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_151_103_20150911_00049.jpg



View of a slope instability found on the landside of the levee looking upstream.

LM Start	9.54	Rating **	C	Issue No.	104
LM End	9.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.073812 °	38.073812 °
				-121.213770 °	-121.213770 °
DWR ID	DWR_NA0017_07_f_2014_104				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	9.65	Rating **	U	Issue No.	80
LM End	9.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.070458 °	38.070458
				-121.218596 °	-121.218596
DWR ID	DWR_NA0017_07_s _ 2012_80				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Beaver den in the waterward berm visible from the opposite bank.					

Photo 1 of 1 : FA_2015_NA0017_151_80_20150911_00035.jpg



View of a large hole and several smaller holes from across the channel.

LM Start	9.73	Rating **	N	Issue No.	45
LM End	9.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074509 °	38.074509 °
				-121.210489 °	-121.210489 °
DWR ID	DWR_NA0017_07_s _ 2012_45				
Action/Comments					
Tree stumps.					

No Photos

LM Start	9.76	Rating **	N	Issue No.	46
LM End	9.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.074613 °	38.074613 °
				-121.209882 °	-121.209882 °
DWR ID	DWR_NA0017_07_s _ 2012_46				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_151_46_20150911_00019.jpg



View of tree stumps found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	9.92	Rating **	C	Issue No.	89
LM End	9.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.076529 °	38.076529
				-121.208658 °	-121.208658
DWR ID	DWR_NA0017_07_f _ 2014_89				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

No Photos

LM Start	10.17	Rating **	C	Issue No.	85
LM End	10.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.079022 °	38.079022 °
				-121.205413 °	-121.205413 °
DWR ID	DWR_NA0017_07_s _ 2015_85				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	11.08	Rating **	C	Issue No.	106
LM End	11.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.086375 °	38.086375 °
				-121.192541 °	-121.192541 °
DWR ID	DWR_NA0017_07_f _ 2014_106				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: runoff					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	12.37	Rating **	C	Issue No.	107
LM End	12.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.096788 °	38.096788 °
				-121.176614 °	-121.176614 °
DWR ID	DWR_NA0017_07_f _ 2014_107				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	13.03	Rating **	M	Issue No.	72
LM End	13.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.105846 °	38.105846 °
				-121.176552 °	-121.176552 °
DWR ID	DWR_NA0017_07_s_2012_72				
Action/Comments					
Repair slope instability. Inspector Comments: Shallow pit at the landward toe with nearby prunings.					

Photo 1 of 1 : FA_2015_NA0017_151_72_20150911_00032.jpg



View of a pit along the landward levee toe looking upstream.

LM Start	13.52	Rating **	M	Issue No.	39
LM End	13.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.111902 °	38.111902 °
				-121.172685 °	-121.172685 °
DWR ID	DWR_NA0017_07_s_2012_39				
Action/Comments					
Firewood					

Photo 1 of 1 : FA_2015_NA0017_151_39_20150911_00015.jpg



Firewood was found on the landside toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	13.88	Rating **	M	Issue No.	52
LM End	13.88	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.116971 °	38.116971 °
				-121.172043 °	-121.172043 °
DWR ID	DWR_NA0017_07_f_2015_52				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_151_52_20150928_00066.jpg



Prunings were found on the crown of the levee looking upstream.

LM Start	14.23	Rating **	M	Issue No.	61
LM End	14.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121625 °	38.121625
				-121.169563 °	-121.169563
DWR ID	DWR_NA0017_07_f_2013_61				
Action/Comments					
Stairway					

Photo 1 of 1 : FA_2015_NA0017_151_61_20150911_00029.jpg



Steps were found on the waterside slope of the levee looking downstream.

LM Start	14.35	Rating **	M	Issue No.	60
LM End	14.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.123286 °	38.123286 °
				-121.169609 °	-121.169609 °
DWR ID	DWR_NA0017_07_s_2012_60				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : FA_2015_NA0017_151_60_20150911_00028.jpg



Crown depression was found on the waterside shoulder of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 07 Bear Creek	Right	16.11	09/22/2015 09/24/2015	Pavel Kazi

LM Start	15.04	Rating **	N	Issue No.	53
LM End	15.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.129236 °	38.130205 °
				-121.160163 °	-121.158466 °
DWR ID	DWR_NA0017_07_s _ 2012_53				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_151_53_20150911_00025.jpg



View of a stump in the landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	1.32	Rating **	C	Issue No.	87
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042911 °	38.042911 °
				-121.360041 °	-121.360041 °
DWR ID	DWR_NA0017_08_s_2015_87				
Action/Comments					
Prunings					

No Photos

LM Start	1.46	Rating **	M	Issue No.	58
LM End	1.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.042853 °	38.042853
				-121.357504 °	-121.357504
DWR ID	DWR_NA0017_08_f_2015_58				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_58_20150928_00096.jpg



An animal hole was found on the landside of the levee looking upstream.

LM Start	1.66	Rating **	M	Issue No.	81
LM End	1.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042783 °	38.042783
				-121.353818 °	-121.353818
DWR ID	DWR_NA0017_08_s_2015_81				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_152_81_20150911_00022.jpg



Prunings were found on the landside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	1.82	Rating **	N	Issue No.	18
LM End	1.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042751 °	38.042751 °
				-121.353062 °	-121.353062 °
DWR ID	DWR_NA0017_08_f_2012_18				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_152_18_20150911_00007.jpg



View of a tree stump that was found on the landside toe of the levee.
The picture was taken from the crown looking towards the toe.

LM Start	2.03	Rating **	M	Issue No.	1007
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042803 °	38.042803 °
				-121.347023 °	-121.347023 °
DWR ID	DWR_NA0017_08_s_2012_1007				
Action/Comments					
Stairway Inspector Comments: Steps were removed but the hand rails still exists at the location.					

Photo 1 of 1 : FA_2015_NA0017_152_1007_20150911_00045.jpg



View of steps dug into the landward slope looking upstream.

LM Start	2.04	Rating **	M	Issue No.	92
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042803 °	38.042803 °
				-121.346755 °	-121.346755 °
DWR ID	DWR_NA0017_08_s_2015_92				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_152_92_20150911_00029.jpg



Prunings were found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	
N/A : Not Applicable				Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	2.16	Rating **	M	Issue No.	93
LM End	2.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042785 °	38.042785
				-121.344686 °	-121.344686
DWR ID	DWR_NA0017_08_s_2015_93				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_152_93_20150928_00097.jpg



Prunings were found on the landside of the levee looking upstream.

LM Start	2.22	Rating **	M	Issue No.	102
LM End	2.22	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042776 °	38.042776 °
				-121.343593 °	-121.343593 °
DWR ID	DWR_NA0017_08_f_2014_102				
Action/Comments					

No Photos

LM Start	2.24	Rating **	M	Issue No.	29
LM End	2.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042777 °	38.042777 °
				-121.343150 °	-121.343150 °
DWR ID	DWR_NA0017_08_s_2013_29				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_152_29_20150911_00010.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	2.37	Rating **	M	Issue No.	105
LM End	2.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042762 °	38.042762 °
				-121.342909 °	-121.342909 °
DWR ID	DWR_NA0017_08_f_2014_105				
Action/Comments					
Prunings					

No Photos

LM Start	2.41	Rating **	N	Issue No.	40
LM End	2.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042751 °	38.042751 °
				-121.342119 °	-121.342119 °
DWR ID	DWR_NA0017_08_s_2012_40				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.46	Rating **	M	Issue No.	107
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042755 °	38.042720 °
				-121.339092 °	-121.334688 °
DWR ID	DWR_NA0017_08_f_2014_107				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	2.50	Rating **	N	Issue No.	12
LM End	2.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042749 °	38.042749
				-121.338402 °	-121.338402
DWR ID	DWR_NA0017_08_s _ 2012_12				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_152_12_20150911_00005.jpg



View of stumps along the landward toe looking upstream.

LM Start	2.52	Rating **	N	Issue No.	36
LM End	2.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042739 °	38.042739 °
				-121.340100 °	-121.340100 °
DWR ID	DWR_NA0017_08_s _ 2012_36				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.54	Rating **	M	Issue No.	59
LM End	2.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.042736 °	38.042736 °
				-121.337605 °	-121.337605 °
DWR ID	DWR_NA0017_08_f _ 2015_59				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	2.61	Rating **	N	Issue No.	26
LM End	2.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042737 °	38.042737 °
				-121.338447 °	-121.338447 °
DWR ID	DWR_NA0017_08_s _ 2014_26				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.64	Rating **	N	Issue No.	33
LM End	2.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042721 °	38.042721 °
				-121.337887 °	-121.337887 °
DWR ID	DWR_NA0017_08_s _ 2012_33				
Action/Comments					
Tree stumps.					

No Photos

LM Start	2.82	Rating **	N	Issue No.	30
LM End	2.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042710 °	38.042710 °
				-121.334677 °	-121.334677 °
DWR ID	DWR_NA0017_08_s _ 2012_30				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	2.92	Rating **	M	Issue No.	60
LM End	2.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042695 °	38.042695
				-121.330685 °	-121.330685
DWR ID	DWR_NA0017_08_f_2015_60				
Action/Comments					
Prunings					

No Photos

LM Start	3.19	Rating **	N	Issue No.	13
LM End	3.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.042676 °	38.042676 °
				-121.325694 °	-121.325694 °
DWR ID	DWR_NA0017_08_s_2012_13				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_152_13_20150911_00006.jpg



View of a stump on the landward slope looking upstream.

LM Start	3.24	Rating **	M	Issue No.	37
LM End	3.24	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042652 °	38.042652 °
				-121.326883 °	-121.326883 °
DWR ID	DWR_NA0017_08_s_2013_37				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_152_37_20150911_00011.jpg



The monolith joint material is deteriorating at this location of the flood wall. The picture was taken from the crown looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	3.31	Rating **	M	Issue No.	940
LM End	3.31	Issue Type +	Ma	Location *	LS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042654 °	38.042654 °
				-121.325611 °	-121.325611 °
DWR ID	DWR_NA0017_08_s_2012_940				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_152_940_20150911_00041.jpg



Monolith joint material is deteriorating at the joint of the flood wall. The picture was taken from the crown looking upstream.

LM Start	3.33	Rating **	M	Issue No.	41
LM End	3.33	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042643 °	38.042643 °
				-121.325208 °	-121.325208 °
DWR ID	DWR_NA0017_08_f_2013_41				
Action/Comments					

No Photos

LM Start	3.43	Rating **	M	Issue No.	63
LM End	3.43	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042672 °	38.042672 °
				-121.321283 °	-121.321283 °
DWR ID	DWR_NA0017_08_f_2015_63				
Action/Comments					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	3.58	Rating **	M	Issue No.	65
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.042655 °	38.042655
				-121.318534 °	-121.318534
DWR ID	DWR_NA0017_08_f_2015_65				
Action/Comments					

No Photos

LM Start	4.00	Rating **	C	Issue No.	117
LM End	4.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.042593 °	38.042593 °
				-121.312930 °	-121.312930 °
DWR ID	DWR_NA0017_08_f_2014_117				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.46	Rating **	M	Issue No.	66
LM End	4.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.042452 °	38.042452 °
				-121.302538 °	-121.302538 °
DWR ID	DWR_NA0017_08_f_2015_66				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	4.56	Rating **	M	Issue No.	27
LM End	4.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.042797 °	38.042797 °
				-121.300782 °	-121.300782 °
DWR ID	DWR_NA0017_08_s _ 2014_27				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Ruts on the waterside slope of the levee.					

Photo 1 of 1 : FA_2015_NA0017_152_27_20150928_00099.jpg



Erosion caused by runoffs on the waterside slope of the levee looking upstream.

LM Start	4.60	Rating **	M	Issue No.	46
LM End	4.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043093 °	38.043093 °
				-121.300166 °	-121.300166 °
DWR ID	DWR_NA0017_08_s _ 2014_46				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_152_46_20150911_00014.jpg



A slope instability was found on the waterside of the levee looking downstream.

LM Start	4.60	Rating **	M	Issue No.	67
LM End	4.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043118 °	38.043118 °
				-121.300067 °	-121.300067 °
DWR ID	DWR_NA0017_08_f _ 2015_67				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	4.81	Rating **	M	Issue No.	68
LM End	4.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.043927 °	38.043927 °
				-121.296462 °	-121.296462 °
DWR ID	DWR_NA0017_08_f _ 2015_68				
Action/Comments					
Repair the levee slope damaged by foot traffic and prevent access where possible.					

No Photos

LM Start	6.16	Rating **	M	Issue No.	6
LM End	6.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052204 °	38.052204 °
				-121.276014 °	-121.276014 °
DWR ID	DWR_NA0017_08_s_2015_6				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_152_6_20150911_00004.jpg



View of a slope instability due to runoff on the waterside of the levee looking upstream.

LM Start	6.22	Rating **	M	Issue No.	69
LM End	6.22	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052275 °	38.052275 °
				-121.275044 °	-121.275044 °
DWR ID	DWR_NA0017_08_f_2015_69				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0017_152_69_20150928_00100.jpg



Slope instability was found on the waterside toe of the levee upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	6.23	Rating **	M	Issue No.	71
LM End	6.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.052305 °	38.052305 °
				-121.274854 °	-121.274854 °
DWR ID	DWR_NA0017_08_f_2015_71				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_152_71_20150928_00101.jpg



Debris was found on the landside slope of the levee looking downstream.

LM Start	6.27	Rating **	M	Issue No.	28
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.052499 °	38.052499 °
				-121.274173 °	-121.274173 °
DWR ID	DWR_NA0017_08_s_2015_28				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_152_28_20150928_00102.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	6.53	Rating **	M	Issue No.	120
LM End	6.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.052994 °	38.052994 °
				-121.271526 °	-121.271526 °
DWR ID	DWR_NA0017_08_f_2014_120				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA_2015_NA0017_152_120_20150911_00037.jpg



View of the erosion due to runoff on the waterside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	7.86	Rating **	M	Issue No.	72
LM End	7.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.064436 °	38.064436 °
				-121.251746 °	-121.251746 °
DWR ID	DWR_NA0017_08_f _ 2015_72				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_72_20150928_00103.jpg



An animal hole was found on the waterside shoulder of the levee looking downstream.

LM Start	8.83	Rating **	M	Issue No.	73
LM End	8.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.067130 °	38.067130 °
				-121.234875 °	-121.234875 °
DWR ID	DWR_NA0017_08_f_2015_73				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA_2015_NA0017_152_73_20150928_00104.jpg



Erosion due surface runoff was found on the landside of the levee looking downstream.

LM Start	9.27	Rating **	M	Issue No.	53
LM End	9.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069527 °	38.069527 °
				-121.227412 °	-121.227412 °
DWR ID	DWR_NA0017_08_s_2015_53				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	9.42	Rating **	M	Issue No.	75
LM End	9.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.069797 °	38.069797 °
				-121.224693 °	-121.224693 °
DWR ID	DWR_NA0017_08_f_2015_75				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_75_20150928_00105.jpg



Rodent holes were found on the waterside of the levee looking downstream.

LM Start	9.63	Rating **	M	Issue No.	76
LM End	9.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.069807 °	38.069807 °
				-121.220890 °	-121.220890 °
DWR ID	DWR_NA0017_08_f_2015_76				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_152_76_20150928_00106.jpg



A slope instability was found on the waterside of the levee looking upstream.

LM Start	10.04	Rating **	M	Issue No.	78
LM End	10.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.072884 °	38.072884 °
				-121.215102 °	-121.215102 °
DWR ID	DWR_NA0017_08_f_2015_78				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_78_20150928_00107.jpg



An animal borrow was found on the waterside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	10.39	Rating **	M	Issue No.	79
LM End	10.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.075132 °	38.075132 °
				-121.208341 °	-121.208341 °
DWR ID	DWR_NA0017_08_f_2015_79				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_79_20150928_00108.jpg



Rodent holes were found on the waterside slope of the levee looking downstream.

LM Start	10.52	Rating **	M	Issue No.	94
LM End	10.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.076880 °	38.076880 °
				-121.207703 °	-121.207703 °
DWR ID	DWR_NA0017_08_s_2015_94				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0017_152_94_20150928_00109.jpg



Updated picture of the rodent holes on the waterside of the levee looking downstream during fall 2015 inspection.

LM Start	10.52	Rating **	M	Issue No.	94 (cont)
LM End	10.52	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_152_94_20150911_00030.jpg



Rodent holes were found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	11.66	Rating **	C	Issue No.	109
LM End	11.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086023 °	38.086023 °
				-121.191252 °	-121.191252 °
DWR ID	DWR_NA0017_08_s_2015_109				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	11.69	Rating **	M	Issue No.	111
LM End	11.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086135 °	38.086135 °
				-121.190670 °	-121.190670 °
DWR ID	DWR_NA0017_08_s_2015_111				
Action/Comments					
Repair slope instability.					
Inspector Comments: Slope instability caused by rodent holes.					

Photo 1 of 1 : FA_2015_NA0017_152_111_20150911_00036.jpg



View of slope instability due to rodent holes on the waterside of the levee looking downstream.

LM Start	11.73	Rating **	M	Issue No.	80
LM End	11.73	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086219 °	38.086219 °
				-121.190030 °	-121.190030 °
DWR ID	DWR_NA0017_08_f_2015_80				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_152_80_20150928_00110.jpg



Slope instability was found on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	11.81	Rating **	M	Issue No.	128
LM End	11.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.086116 °	38.086116 °
				-121.190630 °	-121.190630 °
DWR ID	DWR_NA0017_08_f_2014_128				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_152_128_20150911_00038.jpg



Erosion was found on the landside of the levee looking upstream.

LM Start	11.84	Rating **	C	Issue No.	74
LM End	11.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.086226 °	38.086226 °
				-121.190051 °	-121.190051 °
DWR ID	DWR_NA0017_08_s_2014_74				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	12.75	Rating **	C	Issue No.	130
LM End	12.75	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.092636 °	38.092636 °
				-121.177188 °	-121.177188 °
DWR ID	DWR_NA0017_08_f_2014_130				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	12.84	Rating **	M	Issue No.	133
LM End	12.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.096581 °	38.096581 °
				-121.175898 °	-121.175898 °
DWR ID	DWR_NA0017_08_s _ 2015_133				
Action/Comments					
Prunings					

No Photos

LM Start	13.35	Rating **	C	Issue No.	83
LM End	13.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.101934 °	38.101934 °
				-121.177144 °	-121.177144 °
DWR ID	DWR_NA0017_08_s _ 2014_83				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	13.37	Rating **	C	Issue No.	131
LM End	13.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.102230 °	38.102230 °
				-121.177161 °	-121.177161 °
DWR ID	DWR_NA0017_08_f _ 2014_131				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	13.42	Rating **	C	Issue No.	84
LM End	13.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.102876 °	38.102876 °
				-121.177057 °	-121.177057 °
DWR ID	DWR_NA0017_08_s_2014_84				
Action/Comments					
Agricultural tilling					

No Photos

LM Start	13.72	Rating **	M	Issue No.	82
LM End	13.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.107803 °	38.107803 °
				-121.173179 °	-121.173179 °
DWR ID	DWR_NA0017_08_f_2015_82				
Action/Comments					
Debris					

No Photos

LM Start	14.75	Rating **	U	Issue No.	57
LM End	14.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.122152 °	38.122152 °
				-121.169461 °	-121.169461 °
DWR ID	DWR_NA0017_08_f_2015_57				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Waterside toe erosion.					

Photo 1 of 1 : FA_2015_NA0017_152_57_20150928_00095.jpg



Erosion was found on the waterside toe of the levee. The picture was taken from the right bank of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	14.79	Rating **	M	Issue No.	96
LM End	14.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122664 °	38.122664
				-121.169116 °	-121.169116
DWR ID	DWR_NA0017_08_f_2015_96				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_152_96_20151009_00112.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

LM Start	14.90	Rating **	C	Issue No.	86
LM End	14.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.122684 °	38.122684 °
				-121.169123 °	-121.169123 °
DWR ID	DWR_NA0017_08_s_2014_86				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	15.06	Rating **	C	Issue No.	132
LM End	15.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.124742 °	38.124742 °
				-121.168376 °	-121.168376 °
DWR ID	DWR_NA0017_08_f_2014_132				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 08 Bear Creek	Left	15.32	09/23/2015 10/01/2015	Pavel Kazi

LM Start	15.19	Rating **	A/W	Issue No.	89
LM End	15.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.125818 °	38.125818 °
				-121.166410 °	-121.166410 °
DWR ID	DWR_NA0017_08_s _ 2013_89				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	15.39	Rating **	M	Issue No.	90
LM End	15.39	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.126830 °	38.126830 °
				-121.162930 °	-121.162930 °
DWR ID	DWR_NA0017_08_s _ 2014_90				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 09 Paddy Creek	Left	1.53	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.12	Rating **	A	Issue No.	4
LM End	0.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.094053 °	38.094053 °
				-121.174649 °	-121.174649 °
DWR ID	DWR_NA0017_09_f _ 2015_4				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Vegetation is acceptable.					

Photo 1 of 1 : FA_2015_NA0017_153_4_20151005_00003.jpg



View of the waterside slope of the levee looking upstream.

LM Start	1.31	Rating **	C	Issue No.	5
LM End	1.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.094020 °	38.094020 °
				-121.153255 °	-121.153255 °
DWR ID	DWR_NA0017_09_f_2014_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 10 Paddy Creek	Right	1.41	09/30/2015 09/30/2015	Pavel Kazi

LM Start		Rating **		Issue No.	
LM End		Issue Type +	--	Location *	
Category			GPS Latitude/Longitude		
			Start		End
Item				°	
				°	
DWR ID					
Action/Comments					
No issues were reported.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 11 North Paddy Creek	Right	3.53	10/01/2015 10/01/2015	Pavel Kazi

LM Start	2.07	Rating **	C	Issue No.	23
LM End	2.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.117370 °	38.117370 °
				-121.153446 °	-121.153446 °
DWR ID	DWR_NA0017_11_f_2014_23				
Action/Comments					
Repair slope instability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	1.95	Rating **	C	Issue No.	34
LM End	1.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.116508 °	38.116508 °
				-121.154252 °	-121.154252 °
DWR ID	DWR_NA0017_12_s_2015_34				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

No Photos

LM Start	2.22	Rating **	M	Issue No.	9
LM End	2.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.117784 °	38.117784 °
				-121.149763 °	-121.149763 °
DWR ID	DWR_NA0017_12_s_2014_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0017_156_9_20150911_00007.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream.

LM Start	2.22	Rating **	M	Issue No.	9 (cont)
LM End	2.22	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_156_9_20150911_00008.jpg



View of a rodent hole that was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	2.25	Rating **	M	Issue No.	11
LM End	2.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.117807 °	38.117807 °
				-121.149233 °	-121.149233 °
DWR ID	DWR_NA0017_12_s_2014_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_156_11_20150911_00010.jpg



View of rodent holes that were found on the landside toe of the levee upstream.

LM Start	2.53	Rating **	M	Issue No.	26
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.121296 °	38.121296 °
				-121.146643 °	-121.146643 °
DWR ID	DWR_NA0017_12_f_2015_26				
Action/Comments					
Prunings					

No Photos

LM Start	2.64	Rating **	C	Issue No.	21
LM End	2.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.121790 °	38.121790 °
				-121.145020 °	-121.145020 °
DWR ID	DWR_NA0017_12_s_2015_21				
Action/Comments					
Repair slope instability.					
Inspector Comments: Runoff					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	2.67	Rating **	C	Issue No.	36
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122209 °	38.122209 °
				-121.144633 °	-121.144633 °
DWR ID	DWR_NA0017_12_s_2015_36				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	2.68	Rating **	A	Issue No.	27
LM End	2.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.122240 °	38.122240 °
				-121.144572 °	-121.144572 °
DWR ID	DWR_NA0017_12_f_2015_27				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: LMA has repaired the rodent holes.					

Photo 1 of 1 : FA_2015_NA0017_156_27_20151005_00029.jpg



LMA has repaired rodent holes on the waterside of the levee looking downstream.

LM Start	2.74	Rating **	C	Issue No.	16
LM End	2.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.123222 °	38.123222 °
				-121.144640 °	-121.144640 °
DWR ID	DWR_NA0017_12_s_2014_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Animal hole got bigger caused by erosion.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	2.82	Rating **	C	Issue No.	39
LM End	2.82	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.124294 °	38.124294
				-121.143939 °	-121.143939
DWR ID	DWR_NA0017_12_s_2015_39				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	2.83	Rating **	C	Issue No.	128
LM End	2.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.123222 °	38.123222 °
				121.144640 °	121.144640 °
DWR ID	DWR_NA0017_12_f_2015_128				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: This issue was in the Inspection report, but not on the Corrective Action list. This has been corrected.					

No Photos

LM Start	2.95	Rating **	M	Issue No.	28
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.126035 °	38.126035 °
				-121.144003 °	-121.144003 °
DWR ID	DWR_NA0017_12_f_2015_28				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	2.97	Rating **	M	Issue No.	32
LM End	2.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.126304 °	38.126304 °
				-121.143996 °	-121.143996 °
DWR ID	DWR_NA0017_12_f_2014_32				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_156_32_20150911_00023.jpg



View of a slope instability that was found on the waterside of the levee looking upstream.

LM Start	3.14	Rating **	C	Issue No.	12
LM End	3.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.127388 °	38.127388 °
				-121.141197 °	-121.141197 °
DWR ID	DWR_NA0017_12_s_2012_12				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	3.26	Rating **	C	Issue No.	23
LM End	3.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.128445 °	38.128445 °
				-121.139594 °	-121.139594 °
DWR ID	DWR_NA0017_12_f_2012_23				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

LM Start	3.38	Rating **	M	Issue No.	113
LM End	3.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130018 °	38.130018 °
				-121.139019 °	-121.139019 °
DWR ID	DWR_NA0017_12_s_2012_113				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2015_NA0017_156_113_20150911_00028.jpg



View of farming equipment that was found on the waterside of the levee looking upstream.

LM Start	3.46	Rating **	M	Issue No.	24
LM End	3.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.131140 °	38.131140 °
				-121.138541 °	-121.138541 °
DWR ID	DWR_NA0017_12_f_2012_24				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_156_24_20151005_00030.jpg



Updated picture of the erosion on the waterside of the levee during fall 2015 inspection.

LM Start	3.46	Rating **	M	Issue No.	24 (cont)
LM End	3.46	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_156_24_20150911_00020.jpg



View of the erosion on the waterside of the levee. The picture was taken during spring 2014 inspection looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 12 North Paddy Creek	Left	3.51	09/30/2015 09/30/2015	Pavel Kazi

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.11	Rating **	A	Issue No.	5
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109687 °	38.109687 °
				-121.158481 °	-121.158481 °
DWR ID	DWR_NA0017_13_s_2015_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: LMA has repaired the possible beaver den.					

Photo 1 of 2 : FA_2015_NA0017_157_5_20151116_00008.jpg



LMA repaired the possible beaver den on the waterside toe of the levee during fall 2015.

LM Start	0.11	Rating **	A	Issue No.	5 (cont)
LM End	0.11	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_157_5_20150911_00004.jpg



View of a beaver den on the waterside toe of the levee. The picture was taken across the levee.

LM Start	0.17	Rating **	A	Issue No.	6
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.109467 °	38.109467 °
				-121.157463 °	-121.157463 °
DWR ID	DWR_NA0017_13_f_2015_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					
Inspector Comments: Acceptable vegetation.					

Photo 1 of 1 : FA_2015_NA0017_157_6_20151005_00007.jpg



View of acceptable vegetation on the waterside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 13 Middle Paddy Creek	Left	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.20	Rating **	C	Issue No.	4
LM End	0.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109496 °	38.109496 °
				-121.156758 °	-121.156758 °
DWR ID	DWR_NA0017_13_f_2014_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	1.02	Rating **	M	Issue No.	8
LM End	1.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110906 °	38.110906 °
				-121.144116 °	-121.144116 °
DWR ID	DWR_NA0017_13_f_2014_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_157_8_20150911_00006.jpg



View of an animal hole that was found on the landside of the levee looking upstream.

LM Start	1.21	Rating **	M	Issue No.	7
LM End	1.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111513 °	38.111513 °
				-121.141216 °	-121.141216 °
DWR ID	DWR_NA0017_13_f_2014_7				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_157_7_20150911_00005.jpg



View of an animal hole that was found on the landside toe of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	14
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.109866 °	38.109866 °
				-121.153096 °	-121.153096 °
DWR ID	DWR_NA0017_14_f_2015_14				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_158_14_20151005_00012.jpg



Rodent holes were found on the waterside slope of the levee looking upstream.

LM Start	0.42	Rating **	C	Issue No.	8
LM End	0.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110031 °	38.110031 °
				-121.152630 °	-121.152630 °
DWR ID	DWR_NA0017_14_f_2013_8				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	0.43	Rating **	C	Issue No.	13
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.110133 °	38.110133 °
				-121.152486 °	-121.152486 °
DWR ID	DWR_NA0017_14_f_2014_13				
Action/Comments					
Repair slope instability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.56	Rating **	M	Issue No.	7
LM End	0.56	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.111490 °	38.111490 °
				-121.150762 °	-121.150762 °
DWR ID	DWR_NA0017_14_s_2013_7				
Action/Comments					
Repair depressions or ruts in the crown or slope.					

Photo 1 of 1 : FA_2015_NA0017_158_7_20150911_00008.jpg



View of a crown depression that was found looking upstream.

LM Start	0.60	Rating **	M	Issue No.	5
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111770 °	38.111770 °
				-121.150112 °	-121.150112 °
DWR ID	DWR_NA0017_14_s_2012_5				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_158_5_20150911_00006.jpg



View of animal holes that were found on the waterside of the levee looking upstream.

LM Start	0.60	Rating **	M	Issue No.	4
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.111774 °	38.111774 °
				-121.150073 °	-121.150073 °
DWR ID	DWR_NA0017_14_s_2012_4				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 2 : FA_2015_NA0017_158_4_20150911_00004.jpg



View of erosion that was found on the waterside of the levee looking upstream. This picture was taken during spring 2012 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.60	Rating **	M	Issue No.	4 (cont)	
LM End	0.60	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.111774 °		38.111774 °
				-121.150073 °		-121.150073 °
DWR ID	DWR_NA0017_14_s_2012_4					
Action/Comments						
Note and monitor erosion site.						

Photo 2 of 2 : FA_2015_NA0017_158_4_20150911_00005.jpg



View of erosion that was found on the waterside of the levee.

LM Start	0.64	Rating **	M	Issue No.	1
LM End	0.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.112050 °	38.112050
				-121.149524 °	-121.149524
DWR ID	DWR_NA0017_14_s_2012_1				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_158_1_20150911_00001.jpg



View of rodent holes in the waterward berm looking downstream.

LM Start	0.72	Rating **	M	Issue No.	3
LM End	0.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.111851 °	38.111851 °
				-121.148358 °	-121.148358 °
DWR ID	DWR_NA0017_14_s_2012_3				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_158_3_20150911_00003.jpg



View of a rodent hole that was found on the waterside shoulder of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 14 Middle Paddy Creek	Right	1.38	09/30/2015 09/30/2015	Pavel Kazi

LM Start	0.81	Rating **	M	Issue No.	2
LM End	0.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.110628 °	38.110628 °
				-121.147429 °	-121.147429 °
DWR ID	DWR_NA0017_14_s _ 2012_2				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_158_2_20150911_00002.jpg



View of a large diameter rodent hole in the waterward berm looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	1153
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.992900 °	121.294410 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s _ 2014_1153				
Action/Comments					
Garbage Inspector Comments: Removed old jute erosion control rolls from levee slope.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	1154
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			37.992900 °	121.294410 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s _ 2014_1154				
Action/Comments					
Inspector Comments: Removed a ballard from levee					

No Photos

LM Start	0.00	Rating **	U	Issue No.	1155
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Interior Drainage & Piping Systems			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			0.000000 °	0.000000 °
				0.000000 °	0.000000 °
DWR ID	DWR_NA0017_15_s _ 2014_1155				
Action/Comments					
Inspector Comments: This is the Upper Calaveras river channel. No levee exists. A downed oak tree and wood debris were removed from the channel.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	7
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045818 °	38.045818 °
				-121.023955 °	-121.023955 °
DWR ID					

Action/Comments

Inspector Comments: 8/12/2015: No significant change observed.
8/20/2014: No significant change has been observed.
9/12/2013: No significant change observed.
08/22/2012: Site has been revisited. No significant change observed.
09/02/2011: No significant change observed on site.
11/02/2010: No significant change observed. The mile-long erosion continues to degrade the bank. There are a few trees along the mile-long stretch on the lower bank slope that are affected by the scarp. WS Levee Slope was changed to 2:1. As a result, normalized score increased from 62 to 65.
08/05/2010: Recommended for waterside repair, per CLRO; "water velocity is a major factor for accelerating bank slope erosion."
8/12/2009: Near-vertical bank erosion; degrading channel is incising the banks; recommend annual assessment and monitoring of critical erosion site, per CLRO CES Evaluation 2008 Report; district is monitoring site for change in condition; site was previously rated "U".
2007: Visited site 02/06/2007; possible critical site. [2015 Site ID:NA0017U15RM22.91]

LM Start	0.39	Rating **	M	Issue No.	7 (cont)
LM End	1.30	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2015_NA0017U15RM22.91_1.jpg



Downstream view of the site.

Photo 2 of 3 : SJR2015_NA0017U15RM22.91_2.jpg



Close view of the erosion site. Small trees grow at the lower slope of the bank.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	0.39	Rating **	M	Issue No.	7 (cont)
LM End	1.30	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.045818 °	38.045818 °
				-121.023955 °	-121.023955 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change has been observed. 9/12/2013: No significant change observed. 08/22/2012: Site has been revisited. No significant change observed. 09/02/2011: No significant change observed on site. 11/02/2010: No significant change observed. The mile-long erosion					

Photo 3 of 3 : SJR2015_NA0017U15RM22.91_5.jpg



Looking down at the site.

LM Start	1.05	Rating **	U	Issue No.	36
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.043080 °	38.043080 °
				-121.026280 °	-121.026280 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2015 Site ID:NA0017U16RM22.74]					

Photo 1 of 2 : SJR2015_NA0017U16RM22.74_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.05	Rating **	U	Issue No.	36 (cont)
LM End	1.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.043080 °	38.043080 °
				-121.026280 °	-121.026280 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 09/12/2013: No significant change observed. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. There is a drainage pipe at the site, which might have caused the problem at one pocket erosion. [2015 Site ID:NA0017U16RM22.74]					

Photo 2 of 2 : SJR2015_NA0017U16RM22.74_3.jpg



Close view of the erosion. Note the drainage pipe at the site.

LM Start	1.21	Rating **	U	Issue No.	35
LM End	1.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.041260 °	38.041260 °
				-121.027730 °	-121.027730 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.58]					

Photo 1 of 3 : SJR2015_NA0017U16RM22.58_1.jpg



Front view of the erosion. The erosion is next to a tree at the levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.21	Rating **	U	Issue No.	35 (cont)
LM End	1.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.041260 °	38.041260 °
				-121.027730 °	-121.027730 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is at the outside corner of a river bend, and next to a tree at the levee toe. Irrigation structure presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.58]					

Photo 2 of 3 : SJR2015_NA0017U16RM22.58_3.jpg



Closer view of the erosion.

Photo 3 of 3 : SJR2015_NA0017U16RM22.58_5.jpg



Front view of the erosion and broken concrete protection on the levee slope.

LM Start	1.45	Rating **	N	Issue No.	1128
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.040188 °	38.040188 °
				-121.031854 °	-121.031854 °
DWR ID	DWR_NA0017_15_s_2012_1128				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.49	Rating **	M	Issue No.	995
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.040202 °	38.040202 °
				-121.032659 °	-121.032659 °
DWR ID	DWR_NA0017_15_s_2012_995				
Action/Comments					
Repair slope instability. Inspector Comments: The LMA was working on fixing the erosion site using an excavator during the inspection.					

Photo 1 of 1 : FA_2015_NA0017_159_995_20150911_00119.jpg



View of erosion of waterward levee slope looking upstream.

LM Start	1.64	Rating **	M	Issue No.	33
LM End	1.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039940 °	38.039940 °
				-121.035430 °	-121.035430 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.15]					

Photo 1 of 3 : SJR2015_NA0017U16RM22.15_1.jpg



Front view of the erosion.

LM Start	1.64	Rating **	M	Issue No.	33 (cont)
LM End	1.64	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM22.15_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.64	Rating **	M	Issue No.	33 (cont)
LM End	1.64	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039940 °	38.039940 °
				-121.035430 °	-121.035430 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The berm is estimated at 10 ft. Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site					

Photo 3 of 3 : SJR2015_NA0017U16RM22.15_4.jpg



Close view of the erosion.

LM Start	1.78	Rating **	U	Issue No.	29
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110 °	38.039110 °
				-121.037840 °	-121.037840 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM22.01]					

Photo 1 of 3 : SJR2015_NA0017U16RM22.01_1.jpg



Front view of the erosion site from the left river bank.

LM Start	1.78	Rating **	U	Issue No.	29 (cont)
LM End	1.79	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM22.01_2.jpg



Front view of the pocket erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.78	Rating **	U	Issue No.	29 (cont)
LM End	1.79	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.039110 °	38.039110 °
				-121.037840 °	-121.037840 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Site is covered with dense vegetation. A scarp erosion is adjacent to a pocket erosion at the downstream. There is no levee structure on site. The levee crest width and levee height were not					

Photo 3 of 3 : SJR2015_NA0017U16RM22.01_4.jpg



Close view of the erosion.

LM Start	1.86	Rating **	M	Issue No.	119
LM End	1.86	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.038472 °	38.038472 °
				-121.038966 °	-121.038966 °
DWR ID	DWR_NA0017_15_f_2015_119				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: The hole could possibly ber for a survey marker.					

No Photos

LM Start	1.92	Rating **	M	Issue No.	120
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.037919 °	38.037919 °
				-121.039749 °	-121.039749 °
DWR ID	DWR_NA0017_15_f_2015_120				
Action/Comments					
Repair slope instability. Inspector Comments: It was caused by runoff.					

Photo 1 of 1 : FA_2015_NA0017_159_120_20151009_00138.jpg



A slope instability possible cause by runoff on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	1.98	Rating **	M	Issue No.	28
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037150 °	38.037150 °
				-121.040580 °	-121.040580 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.05]					

LM Start	1.98	Rating **	M	Issue No.	28 (cont)
LM End	2.00	Issue Type +	Ma	Location *	WS

LM Start	1.98	Rating **	M	Issue No.	28 (cont)
LM End	2.00	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2015_NA0017U16RM21.05_1.jpg



Front view of the erosion

Photo 2 of 3 : SJR2015_NA0017U16RM21.05_3.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2015_NA0017U16RM21.05_5.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	2.02	Rating **	A/W	Issue No.	123
LM End	2.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036724 °	38.036724 °
				-121.040795 °	-121.040795 °
DWR ID	DWR_NA0017_15_f _ 2015_123				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

No Photos

LM Start	2.05	Rating **	M	Issue No.	18
LM End	2.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.036294 °	38.036294 °
				-121.041089 °	-121.041089 °
DWR ID	DWR_NA0017_15_s_2012_18				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_159_18_20150911_00010.jpg



Updated picture of the slope instability at the waterside slope of the levee looking upstream.

LM Start	2.05	Rating **	M	Issue No.	18 (cont)
LM End	2.05	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_18_20150911_00011.jpg



Slope instability was found on the waterside toe of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	2.36	Rating **	M	Issue No.	26
LM End	2.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.033072 °	38.033072 °
				-121.044970 °	-121.044970 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM20.71]					

LM Start	2.36	Rating **	M	Issue No.	26 (cont)
LM End	2.37	Issue Type +	Ma	Location *	WS

LM Start	2.36	Rating **	M	Issue No.	26 (cont)
LM End	2.37	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2015_NA0017U16RM20.71_1.jpg



Front view of the site.

Photo 2 of 3 : SJR2015_NA0017U16RM20.71_2.jpg



Front view of the erosion. Site is covered with vegetation and trees.

Photo 3 of 3 : SJR2015_NA0017U16RM20.71_4.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	2.63	Rating **	M	Issue No.	27
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.030252 °	38.030252 °
				-121.048311 °	-121.048311 °
DWR ID	DWR_NA0017_15_s_2012_27				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_159_27_20150911_00019.jpg



Slope instability was found on the landside of the levee. The picture was taken from the crown looking downstream.

LM Start	2.82	Rating **	M	Issue No.	127
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.028405 °	38.028405 °
				-121.051062 °	-121.051062 °
DWR ID	DWR_NA0017_15_f_2015_127				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0017_159_127_20151009_00139.jpg



Slope instability caused by vehicle on the waterside of the levee looking downstream.

LM Start	2.83	Rating **	M	Issue No.	128
LM End	2.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.028356 °	38.028356 °
				-121.051148 °	-121.051148 °
DWR ID	DWR_NA0017_15_f_2015_128				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_128_20151009_00140.jpg



Rodent holes were found on the landside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.34	Rating **	M	Issue No.	12
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.023817 °	38.023817 °
				-121.058465 °	-121.058465 °
DWR ID	DWR_NA0017_15_s_2012_12				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA_2015_NA0017_159_12_20150911_00005.jpg



New material was placed at the toe of the landside of the levee. The picture was taken from the crown looking downstream.

LM Start	3.34	Rating **	M	Issue No.	129
LM End	3.34	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.023804 °	38.023804 °
				-121.058480 °	-121.058480 °
DWR ID	DWR_NA0017_15_f_2015_129				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_159_129_20151009_00141.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	3.34	Rating **	M	Issue No.	130
LM End	3.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.023804 °	38.023804 °
				-121.058480 °	-121.058480 °
DWR ID	DWR_NA0017_15_f_2015_130				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.54	Rating **	A/W	Issue No.	14
LM End	3.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021811 °	38.021811 °
				-121.061054 °	-121.061054 °
DWR ID	DWR_NA0017_15_s _ 2013_14				
Action/Comments					
Prunings Inspector Comments: The pit was repaired by the LMA but the prunings still exist. The burn pile is away from the levee prism.					

Photo 1 of 2 : FA_2015_NA0017_159_14_20150911_00006.jpg



Updated picture of the prunings on the landside toe of the levee during spring 2015 inspection.

LM Start	3.54	Rating **	A/W	Issue No.	14 (cont)
LM End	3.54	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_159_14_20150911_00007.jpg



Prunings were found on the landside toe of the levee looking downstream.

LM Start	3.54	Rating **	C	Issue No.	134
LM End	3.54	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.021804 °	38.021804 °
				-121.061072 °	-121.061072 °
DWR ID	DWR_NA0017_15_s _ 2015_134				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.56	Rating **	M	Issue No.	54
LM End	3.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021601 °	38.021601 °
				-121.061284 °	-121.061284 °
DWR ID	DWR_NA0017_15_s_2012_54				
Action/Comments					
Pipe					
Inspector Comments: A recently placed pipe in the waterward slope may be leaking and was not authorized.					

Photo 1 of 1 : FA_2015_NA0017_159_54_20150911_00041.jpg



View of a recently placed pipe in the waterward slope looking downstream.

LM Start	3.77	Rating **	M	Issue No.	208
LM End	3.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.019026 °	38.019026 °
				-121.063479 °	-121.063479 °
DWR ID	DWR_NA0017_15_s_2015_208				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_208_20150911_00113.jpg



A rodent hole was found on the waterside of the levee. The picture was taken from the opposite side of the levee.

LM Start	3.77	Rating **	C	Issue No.	23
LM End	3.77	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019290 °	38.019290 °
				-121.063810 °	-121.063810 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. Slightly more vegetation is observed at the site. 8/20/2014: No significant change observed. 9/12/2013: This site has been repaired prior to this survey, but new erosion has developed immediately downstream of the site. 08/22/2012: Tow large-size pocket erosions. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM19.28]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.78	Rating **	M	Issue No.	43
LM End	3.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.019119 °	38.019119
				-121.064034 °	-121.064034
DWR ID	DWR_NA0017_15_f_2012_43				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_159_43_20150911_00030.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream.

LM Start	3.78	Rating **	M	Issue No.	43 (cont)
LM End	3.78	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_43_20150911_00031.jpg



Slope instability was found on the landside slope of the levee looking downstream.

LM Start	3.82	Rating **	C	Issue No.	22
LM End	3.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018600 °	38.018600 °
				-121.064390 °	-121.064390 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: This site was repaired prior to this survey. 08/22/2012: The erosion is covered with grass and shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM19.23]					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.87	Rating **	M	Issue No.	17
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.018100 °	38.018100 °
				-121.065170 °	-121.065170 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: River-induced erosion occurred on the berm, while the runoff-induced erosion occurred on the levee slope. Site is covered with vegetation. There is no levee structure on site. The levee crest width					

LM Start	3.87	Rating **	M	Issue No.	17 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2015_NA0017U16RM19.18_1.jpg



View of the site from right river bank.

Photo 2 of 3 : SJR2015_NA0017U16RM19.18_2.jpg



Closer view of the erosion.

LM Start	3.87	Rating **	M	Issue No.	17 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2015_NA0017U16RM19.18_4.jpg



Closer view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	3.89	Rating **	M	Issue No.	44
LM End	3.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.017945 °	38.017945
				-121.065295 °	-121.065295
DWR ID	DWR_NA0017_15_f_2012_44				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_159_44_20150911_00032.jpg



Updated picture of the slope instability on the waterside slope of the levee looking upstream. This picture was taken during fall 2014 inspection.

LM Start	3.89	Rating **	M	Issue No.	44 (cont)
LM End	3.89	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_44_20150911_00033.jpg



View of the slope instability on the waterside slope of the levee looking downstream during spring 2014 inspection.

LM Start	3.92	Rating **	M	Issue No.	132
LM End	3.92	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.017599 °	38.017599 °
				-121.065640 °	-121.065640 °
DWR ID	DWR_NA0017_15_f_2015_132				
Action/Comments					
Prunings					
Inspector Comments: Prunings were found on the crown of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	4.13	Rating **	C	Issue No.	135
LM End	4.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.014957 °	38.014957 °
				-121.067512 °	-121.067512 °
DWR ID	DWR_NA0017_15_s_2015_135				
Action/Comments					
Repair slope instability. Inspector Comments: Sink hole					

No Photos

LM Start	4.20	Rating **	M	Issue No.	19
LM End	4.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.014025 °	38.014025 °
				-121.067983 °	-121.067983 °
DWR ID	DWR_NA0017_15_s_2012_19				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 2 : FA_2015_NA0017_159_19_20150911_00012.jpg



Updated picture of the prunings pile on the landside of the levee looking downstream during fall 2013 inspection.

LM Start	4.20	Rating **	M	Issue No.	19 (cont)
LM End	4.20	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_159_19_20150911_00013.jpg



Example of a prunings pile immediately adjacent to access road.
Evidence of habitual burnings at this site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	4.28	Rating **	U	Issue No.	124
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.012910 °	38.012910 °
				-121.067996 °	-121.067996 °
DWR ID	DWR_NA0017_15_s_2013_124				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Picture was taken from the other side of the levee.					

Photo 1 of 1 : FA_2015_NA0017_159_124_20150911_00080.jpg



An animal hole was found on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	4.31	Rating **	M	Issue No.	209
LM End	4.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.012474 °	38.012474 °
				-121.068144 °	-121.068144 °
DWR ID	DWR_NA0017_15_s_2015_209				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: It was started from rodent holes.					

Photo 1 of 2 : FA_2015_NA0017_159_209_20151009_00143.jpg



View of the erosion caused by an animal hole on the waterside shoulder of the levee looking downstream.

LM Start	4.31	Rating **	M	Issue No.	209 (cont)
LM End	4.31	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_209_20150911_00114.jpg



A large rodent hole was found on the waterside of the levee. The picture was taken across the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	4.51	Rating **	M	Issue No.	133
LM End	4.51	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.009753 °	38.009753 °
				-121.069559 °	-121.069559 °
DWR ID	DWR_NA0017_15_f_2015_133				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_159_133_20151009_00144.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

LM Start	4.63	Rating **	M	Issue No.	96
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.008053 °	38.008053 °
				-121.070141 °	-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96				
Action/Comments					
Note and monitor erosion site. Inspector Comments: LMA has fixed the issue but the riprap has rebar which would can be dangerous during the flood fighting efforts.					

Photo 1 of 3 : FA_2015_NA0017_159_96_20150911_00064.jpg



Updated picture of the slope instability on the waterside slope of the levee looking downstream during spring 2013 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	4.63	Rating **	M	Issue No.	96 (cont)
LM End	4.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.008053 °	38.008053 °
				-121.070141 °	-121.070141 °
DWR ID	DWR_NA0017_15_s_2012_96				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: LMA has fixed the issue but the riprap has rebar which would can be dangerous during the flood fighting efforts.					

Photo 2 of 3 : FA_2015_NA0017_159_96_20150911_00065.jpg



The LMA has fixed the erosion on the landside slope of the levee but the riprap contains exposed rebar which could be dangerous during a flood fight.

LM Start	4.63	Rating **	M	Issue No.	96 (cont)
LM End	4.63	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2015_NA0017_159_96_20150911_00066.jpg



Erosion was found on the waterside slope of the levee looking downstream.

LM Start	4.98	Rating **	U	Issue No.	11
LM End	4.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003730 °	38.003730 °
				-121.073080 °	-121.073080 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest. 08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to					

Photo 1 of 2 : SJR2015_NA0017U16RM17.99_1.jpg



View from right river bank.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	4.98	Rating **	U	Issue No.	11 (cont)
LM End	4.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.003730 °	38.003730 °
				-121.073080 °	-121.073080 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: Site has been surveyed and the pocket erosion has developed toward levee crest. 08/22/2012: A pocket erosion at the levee toe and on lower slope. The levee surface at the upper slope also shows signs of erosion due to poor maintenance. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM17.99]					

Photo 2 of 2 : SJR2015_NA0017U16RM17.99_4.jpg



A close view of the erosion.

LM Start	5.03	Rating **	M	Issue No.	171
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003105 °	38.003105 °
				-121.073585 °	-121.073585 °
DWR ID	DWR_NA0017_15_f_2014_171				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Bank Caving.					

Photo 1 of 2 : FA_2015_NA0017_159_171_20151009_00145.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	5.03	Rating **	M	Issue No.	171 (cont)
LM End	5.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003105 °	38.003105 °
				-121.073585 °	-121.073585 °
DWR ID	DWR_NA0017_15_f_2014_171				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Bank Caving.					

Photo 2 of 2 : FA_2015_NA0017_159_171_20150911_00096.jpg



Picture of the slope instability on the waterside of the levee looking downstream during spring 2015 inspection.

LM Start	5.04	Rating **	M	Issue No.	1009
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.003021 °	38.003021 °
				-121.073658 °	-121.073658 °
DWR ID	DWR_NA0017_15_s_2012_1009				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_159_1009_20150911_00120.jpg



View of a slip in the waterward levee slope looking downstream.

LM Start	5.06	Rating **	C	Issue No.	143
LM End	5.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.002715 °	38.002715 °
				-121.073960 °	-121.073960 °
DWR ID	DWR_NA0017_15_s_2015_143				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	5.63	Rating **	M	Issue No.	64
LM End	5.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.996022 °	37.996022 °
				-121.079919 °	-121.079919 °
DWR ID	DWR_NA0017_15_s _ 2014_64				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	5.66	Rating **	C	Issue No.	30
LM End	5.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.995679 °	37.995679 °
				-121.080267 °	-121.080267 °
DWR ID	DWR_NA0017_15_s _ 2013_30				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.00	Rating **	C	Issue No.	41
LM End	6.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.991648 °	37.991648 °
				-121.083924 °	-121.083924 °
DWR ID	DWR_NA0017_15_s _ 2013_41				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	6.17	Rating **	C	Issue No.	75
LM End	6.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.989630 °	37.989630 °
				-121.085754 °	-121.085754 °
DWR ID	DWR_NA0017_15_s_2014_75				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	6.46	Rating **	M	Issue No.	98
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.986225 °	37.986225 °
				-121.088704 °	-121.088704 °
DWR ID	DWR_NA0017_15_f_2012_98				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_159_98_20150911_00067.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	6.61	Rating **	A/W	Issue No.	79
LM End	6.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.984518 °	37.983260 °
				-121.090267 °	-121.092022 °
DWR ID	DWR_NA0017_15_s_2012_79				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Farmer tilling & driving onto levee, causing erosion.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	6.67	Rating **	M	Issue No.	140
LM End	6.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091141 °	-121.091141 °
DWR ID	DWR_NA0017_15_f _ 2015_140				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_140_20151009_00147.jpg



Rodent holes were found on the landside shoulder of the levee looking downstream.

LM Start	6.68	Rating **	M	Issue No.	139
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.983817 °	37.983817 °
				-121.091142 °	-121.091142 °
DWR ID	DWR_NA0017_15_f_2015_139				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_139_20151009_00146.jpg



Rodent holes were found on the waterside of the levee.

LM Start	6.96	Rating **	M	Issue No.	115
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.981387 °	37.979749 °
				-121.095370 °	-121.099178 °
DWR ID	DWR_NA0017_15_s_2014_115				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : FA_2015_NA0017_159_115_20150911_00076.jpg



Tree limbs were obstructing the visibility of the crown of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	7.21	Rating **	M	Issue No.	102
LM End	7.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.979612 °	37.979612 °
				-121.099390 °	-121.099390 °
DWR ID	DWR_NA0017_15_s_2012_102				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_159_102_20150911_00068.jpg



Debris was found on the waterside slope of the levee looking downstream.

LM Start	7.89	Rating **	M	Issue No.	104
LM End	7.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.974304 °	37.974304 °
				-121.109625 °	-121.109625 °
DWR ID	DWR_NA0017_15_s_2012_104				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 2 : FA_2015_NA0017_159_104_20150911_00069.jpg



Updated picture of the Arundo on the waterside slope of the levee looking downstream.

LM Start	7.89	Rating **	M	Issue No.	104 (cont)
LM End	7.89	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_104_20150911_00070.jpg



View of arrundo on the waterward shoulder and slope blocking visibility looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	8.11	Rating **	C	Issue No.	122
LM End	8.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.972590 °	37.972590 °
				-121.112938 °	-121.112938 °
DWR ID	DWR_NA0017_15_s_2014_122				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	8.32	Rating **	C	Issue No.	62
LM End	8.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.970147 °	37.970147 °
				-121.114849 °	-121.114849 °
DWR ID	DWR_NA0017_15_s_2013_62				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	8.39	Rating **	M	Issue No.	146
LM End	8.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.969822 °	37.969822 °
				-121.116057 °	-121.116057 °
DWR ID	DWR_NA0017_15_f_2015_146				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_159_146_20151019_00148.jpg



Erosion was found on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	8.43	Rating **	U	Issue No.	65
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.969748 °	37.969748 °
				-121.116767 °	-121.116767 °
DWR ID	DWR_NA0017_15_s_2013_65				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_159_65_20151019_00149.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during fall 2015 inspection.

LM Start	8.43	Rating **	U	Issue No.	65 (cont)
LM End	8.43	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_65_20150911_00048.jpg



View of the slope instability on the waterside of the levee looking downstream during spring 2014 inspection.

LM Start	8.43	Rating **	M	Issue No.	6
LM End	8.43	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969711 °	37.969711 °
				-121.116739 °	-121.116739 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. More vegetation is observed at the site. 8/20/2014: No significant change observed. 09/12/2013: The erosion has been caused by runoff. [2015 Site ID:NA0017U15RM14.49]					

Photo 1 of 3 : SJR2015_NA0017U15RM14.49_1.JPG



Looking down at the erosion from the levee crest.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	8.43	Rating **	M	Issue No.	6 (cont)	
LM End	8.43	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR Erosion Survey			37.969711 °		37.969711 °
				-121.116739 °		-121.116739 °
DWR ID						
Action/Comments						
Inspector Comments: 8/12/2015: No significant change observed. More vegetation is observed at the site. 8/20/2014: No significant change observed. 09/12/2013: The erosion has been caused by runoff. [2015 Site ID:NA0017U15RM14.49]						

Photo 2 of 3 : SJR2015_NA0017U15RM14.49_3.JPG



Close view of the erosion.

LM Start	8.43	Rating **	M	Issue No.	6 (cont)
LM End	8.43	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2015_NA0017U15RM14.49_4.JPG



Close view of the erosion.

LM Start	8.81	Rating **	M	Issue No.	4
LM End	8.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.968060 °	37.968060 °
				-121.123299 °	-121.123299 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: Both ends of the erosion site are protected by riprap. [2015 Site ID:NA0017U15RM13.87]					

Photo 1 of 3 : SJR2015_NA0017U15RM13.87_1.JPG



View of the site from the left river bank.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8.83	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.968060 °	37.968060 °
				-121.123299 °	-121.123299 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: Both ends of the erosion site are protected by riprap. [2015 Site ID:NA0017U15RM13.87]					

Photo 2 of 3 : SJR2015_NA0017U15RM13.87_2.JPG



Close view of the erosion.

LM Start	8.81	Rating **	M	Issue No.	4 (cont)
LM End	8.83	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2015_NA0017U15RM13.87_4.JPG



Close view of the erosion.

LM Start	8.86	Rating **	M	Issue No.	148
LM End	9.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.967726 °	37.965119 °
				-121.124092 °	-121.142330 °
DWR ID	DWR_NA0017_15_f_2015_148				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	9.07	Rating **	U	Issue No.	10
LM End	9.07	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.967019 °	37.967019 °
				-121.127581 °	-121.127581 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: The erosion might have been caused by river flow combined with runoff. Dense vegetation is presents at the site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.85]					

Photo 1 of 2 : SJR2015_NA0017U16RM13.85_1.JPG



View of the site from the right river bank.

LM Start	9.07	Rating **	U	Issue No.	10 (cont)
LM End	9.07	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM13.85_3.JPG



Close view of the erosion.

LM Start	9.37	Rating **	M	Issue No.	8
LM End	9.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.967190 °	37.967190 °
				-121.133080 °	-121.133080 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is on berm. The berm width is estimated. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site					

Photo 1 of 3 : SJR2015_NA0017U16RM13.53_1.jpg



Upstream view of the erosion.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	9.37	Rating **	M	Issue No.	8 (cont)	
LM End	9.39	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.967190 °	37.967190 °	
				-121.133080 °	-121.133080 °	
DWR ID						
Action/Comments						
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is on berm. The berm width is estimated. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.53]						

LM Start	9.37	Rating **	M	Issue No.	8 (cont)
LM End	9.39	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM13.53_3.jpg



Close view of the erosion.

Photo 3 of 3 : SJR2015_NA0017U16RM13.53_4.jpg



Close view of the erosion.

LM Start	9.39	Rating **	M	Issue No.	121
LM End	9.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.967155 °	37.967155 °
				-121.133277 °	-121.133277 °
DWR ID	DWR_NA0017_15_f_2012_121				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_159_121_20150911_00078.jpg



A slope instability was found on the waterside slope of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	9.81	Rating **	M	Issue No.	147
LM End	9.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965314 °	37.965314 °
				-121.140296 °	-121.140296 °
DWR ID	DWR_NA0017_15_s_2012_147				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_159_147_20150911_00090.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	9.82	Rating **	M	Issue No.	151
LM End	9.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.965369 °	37.965369 °
				-121.140559 °	-121.140559 °
DWR ID	DWR_NA0017_15_f_2015_151				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_159_151_20151019_00150.jpg



Debris was found on the waterside shoulder of the levee looking downstream.

LM Start	9.83	Rating **	M	Issue No.	126
LM End	9.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.965343 °	37.965343 °
				-121.140761 °	-121.140761 °
DWR ID	DWR_NA0017_15_s_2014_126				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_126_20150911_00082.jpg



View of rodent holes on the waterside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	9.90	Rating **	M	Issue No.	68
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.965165 °	37.965165
				-121.141928 °	-121.141928
DWR ID	DWR_NA0017_15_s_2013_68				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_159_68_20150911_00052.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	10.40	Rating **	M	Issue No.	78
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964942 °	37.964942 °
				-121.151073 °	-121.151073 °
DWR ID	DWR_NA0017_15_s_2012_78				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2015_NA0017_159_78_20150911_00057.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	10.40	Rating **	M	Issue No.	78 (cont)
LM End	10.40	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_159_78_20150911_00058.jpg



View of the prunings pile on the waterward slope looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	10.77	Rating **	M	Issue No.	106
LM End	10.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.963319 °	37.963319 °
				-121.157557 °	-121.157557 °
DWR ID	DWR_NA0017_15_s_2012_106				
Action/Comments					
Prunings					
Inspector Comments: Prunings and ashes piled at the toe.					

Photo 1 of 1 : FA_2015_NA0017_159_106_20150911_00071.jpg



Prunings were found on the landside of the levee looking downstream.

LM Start	10.90	Rating **	M	Issue No.	152
LM End	10.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.962272 °	37.962272 °
				-121.159393 °	-121.159393 °
DWR ID	DWR_NA0017_15_f_2015_152				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_152_20151019_00151.jpg



A rodent hole was found on the waterside of the levee looking upstream.

LM Start	11.84	Rating **	M	Issue No.	989
LM End	11.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.961901 °	37.961901 °
				-121.175973 °	-121.175973 °
DWR ID	DWR_NA0017_15_s_2012_989				
Action/Comments					
Prunings Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA_2015_NA0017_159_989_20150911_00118.jpg



Prunings were found on the landside slope of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	12.30	Rating **	M	Issue No.	155
LM End	12.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.961410 °	37.961410 °
				-121.184231 °	-121.184231 °
DWR ID	DWR_NA0017_15_s_2015_155				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_159_155_20150911_00092.jpg



View of slope instability on the landside of the levee looking upstream.

LM Start	12.57	Rating **	M	Issue No.	46
LM End	12.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.961012 °	37.961012 °
				-121.189067 °	-121.189067 °
DWR ID	DWR_NA0017_15_f_2015_46				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed. Burn piles need to be moved away from the flood wall to prevent further damage.					

Photo 1 of 1 : FA_2015_NA0017_159_46_20150911_00037.jpg



Prunings were found on the waterside of the levee looking downstream.

LM Start	13.59	Rating **	M	Issue No.	138
LM End	14.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.962469 °	37.972404 °
				-121.206356 °	-121.226450 °
DWR ID	DWR_NA0017_15_f_2015_138				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	15.04	Rating **	M	Issue No.	180
LM End	15.04	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.973416 °	37.973416 °
				-121.228922 °	-121.228922 °
DWR ID	DWR_NA0017_15_f_2014_180				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_159_180_20150911_00102.jpg



The monolith joint is deteriorating on the waterside shoulder of the levee.

LM Start	15.37	Rating **	M	Issue No.	154
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975671 °	37.975671 °
				-121.234277 °	-121.234277 °
DWR ID	DWR_NA0017_15_f_2015_154				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	15.41	Rating **	M	Issue No.	194
LM End	15.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975893 °	37.975893
				-121.234858 °	-121.234858
DWR ID	DWR_NA0017_15_s_2015_194				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_159_194_20150911_00108.jpg



Rodent holes were found on the landside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	15.41	Rating **	M	Issue No.	156
LM End	15.52	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.975882 °	37.976634 °
				-121.234883 °	-121.236714 °
DWR ID	DWR_NA0017_15_f_2015_156				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	15.42	Rating **	M	Issue No.	32
LM End	15.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.975959 °	37.975959
				-121.235058 °	-121.235058
DWR ID	DWR_NA0017_15_s_2014_32				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0017_159_32_20150911_00023.jpg



Updated picture of the rodent hole on the landside of the levee during spring 2015 inspection.

LM Start	15.42	Rating **	M	Issue No.	32 (cont)
LM End	15.42	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_159_32_20150911_00024.jpg



A rodent hole was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	15.43	Rating **	M	Issue No.	71
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.976000 °	37.976000 °
				-121.235156 °	-121.235156 °
DWR ID	DWR_NA0017_15_s_2013_71				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0017_159_71_20151019_00153.jpg



Updated picture of the rodent holes on the landside of the levee looking downstream during fall 2015 inspection.

LM Start	15.43	Rating **	M	Issue No.	71 (cont)
LM End	15.43	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_159_71_20150911_00053.jpg



View of the animal holes on the landside of the levee looking upstream during fall 2014 inspection.

LM Start	15.66	Rating **	M	Issue No.	157
LM End	15.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.977593 °	37.978901 °
				-121.238986 °	-121.241830 °
DWR ID	DWR_NA0017_15_f_2015_157				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	15.79	Rating **	M	Issue No.	196
LM End	15.79	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.978513 °	37.978513
				-121.240984 °	-121.240984
DWR ID	DWR_NA0017_15_s_2015_196				
Action/Comments					

No Photos

LM Start	16.14	Rating **	M	Issue No.	198
LM End	16.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.980961 °	37.980961 °
				-121.246553 °	-121.246553 °
DWR ID	DWR_NA0017_15_s_2015_198				
Action/Comments					
Repair slope instability. Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_159_198_20150911_00109.jpg



View of slope instability due to runoff on the landside of the levee looking upstream.

LM Start	16.20	Rating **	M	Issue No.	86
LM End	16.20	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981363 °	37.981363 °
				-121.247601 °	-121.247601 °
DWR ID	DWR_NA0017_15_f_2013_86				
Action/Comments					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	16.26	Rating **	M	Issue No.	158
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981755 °	37.981755 °
				-121.248507 °	-121.248507 °
DWR ID	DWR_NA0017_15_f_2015_158				
Action/Comments					

No Photos

LM Start	16.26	Rating **	M	Issue No.	197
LM End	16.26	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.981770 °	37.981770 °
				-121.248521 °	-121.248521 °
DWR ID	DWR_NA0017_15_s_2015_197				
Action/Comments					

No Photos

LM Start	16.26	Rating **	M	Issue No.	184
LM End	16.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981800 °	37.981800
				-121.248545 °	-121.248545
DWR ID	DWR_NA0017_15_f_2014_184				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Surface runoff.					

Photo 1 of 1 : FA_2015_NA0017_159_184_20150911_00103.jpg



Erosion caused by surface runoff was found on the landside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	16.50	Rating **	M	Issue No.	160
LM End	16.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.983513 °	37.983513
				-121.252295 °	-121.252295
DWR ID	DWR_NA0017_15_f_2015_160				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_159_160_20151019_00154.jpg



Debris was found on the landside of the levee.

LM Start	16.56	Rating **	M	Issue No.	93
LM End	16.56	Issue Type +	Ma	Location *	WS
Category	Concrete Floodwalls			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			37.983744 °	37.983744 °
				-121.253211 °	-121.253211 °
DWR ID	DWR_NA0017_15_s_2013_93				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_159_93_20150911_00062.jpg



The monolith joint material is deteriorating at the waterside shoulder of the levee looking downstream.

LM Start	18.30	Rating **	M	Issue No.	567
LM End	18.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.994859 °	37.994859 °
				-121.275862 °	-121.275862 °
DWR ID	DWR_NA0017_15_s_2012_567				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2015_NA0017_159_567_20150911_00115.jpg



Equipment was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	18.99	Rating **	M	Issue No.	131
LM End	18.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.999901 °	37.999901 °
				-121.271303 °	-121.271303 °
DWR ID	DWR_NA0017_15_s_2012_131				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	19.99	Rating **	N	Issue No.	103
LM End	19.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.993578 °	37.993578 °
				-121.286165 °	-121.286165 °
DWR ID	DWR_NA0017_15_f_2013_103				
Action/Comments					
Tree stumps.					

No Photos

LM Start	21.25	Rating **	M	Issue No.	172
LM End	21.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.988969 °	37.988969
				-121.307009 °	-121.307009
DWR ID	DWR_NA0017_15_f_2015_172				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff.					

Photo 1 of 1 : FA_2015_NA0017_159_172_20151019_00155.jpg



Erosion was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	21.43	Rating **	C	Issue No.	205
LM End	21.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986658 °	37.986658 °
				-121.308232 °	-121.308232 °
DWR ID	DWR_NA0017_15_s _ 2015_205				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	21.96	Rating **	M	Issue No.	173
LM End	21.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.981147 °	37.981147 °
				-121.315071 °	-121.315071 °
DWR ID	DWR_NA0017_15_s _ 2012_173				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff.					

Photo 1 of 2 : FA_2015_NA0017_159_173_20151019_00156.jpg



Updated picture of the erosion caused by run off on the landside slope of the levee looking downstream during fall 2015 inspection.

LM Start	21.96	Rating **	M	Issue No.	173 (cont)
LM End	21.96	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_159_173_20150911_00099.jpg



Erosion caused by run off on the landside slope of the levee looking downstream during spring 2013 inspection.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	22.50	Rating **	C	Issue No.	185
LM End	22.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981711 °	37.981711 °
				-121.323953 °	-121.323953 °
DWR ID	DWR_NA0017_15_s_2015_185				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	22.50	Rating **	C	Issue No.	206
LM End	22.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.981711 °	37.981711 °
				-121.323954 °	-121.323954 °
DWR ID	DWR_NA0017_15_s_2015_206				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	22.79	Rating **	M	Issue No.	175
LM End	22.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981721 °	37.981721 °
				-121.329175 °	-121.329175 °
DWR ID	DWR_NA0017_15_f_2015_175				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_159_175_20151019_00157.jpg



Debris was found on the waterside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 15 Mormon Slough	Right	25.38	10/02/2015 10/14/2015	Pavel Kazi

LM Start	23.84	Rating **	N	Issue No.	176
LM End	23.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.976483 °	37.976483
				-121.345756 °	-121.345756
DWR ID	DWR_NA0017_15_s_2012_176				
Action/Comments					
Tree stumps.					

No Photos

LM Start	24.00	Rating **	A/W	Issue No.	187
LM End	24.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.974858 °	37.974858 °
				-121.347718 °	-121.347718 °
DWR ID	DWR_NA0017_15_f_2012_187				
Action/Comments					

Photo 1 of 1 : FA_2015_NA0017_159_187_20150911_00105.jpg



Revetment was placed by the LMA on the waterside slope of the levee looking downstream.

LM Start	24.09	Rating **	A	Issue No.	177
LM End	24.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Riprap Revetments			37.974089 °	37.974089 °
				-121.348807 °	-121.348807 °
DWR ID	DWR_NA0017_15_f_2015_177				
Action/Comments					
Inspector Comments: LMA placed new riprap on the waterside slope of the levee.					

Photo 1 of 1 : FA_2015_NA0017_159_177_20151019_00158.jpg



LMA placed new riprap on the waterside of the levee looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	0.00	Rating **	M	Issue No.	793
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			38.055298 °	38.055298 °
				-121.000460 °	-121.000460 °
DWR ID	DWR_NA0017_16_f_2013_793				

No Photos

Action/Comments					
Inspector Comments: This is in a small section of the upper Calaveras River, above Escallon-Bellota Road. The county has a small section that we maintain above the weir. A large tree fell into the channel; the root ball was over 15 feet in diameter. We worked with Stockton East and their divers to remove most of the tree from the channel. Some of the tree remains in the channel because of it being too heavy (water-logged) to remove at this time. Crews plan to go back to remove it when the water goes down.					

LM Start	0.11	Rating **	U	Issue No.	82
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159 °	38.048159 °
				-121.016427 °	-121.016427 °
DWR ID					

Action/Comments					
Inspector Comments: 8/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion. 8/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height. 09/12/2013: Site has been visited and signs of new erosion are visible. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM23.35]					

Photo 1 of 3 : SJR2015_NA0017U16RM23.35_10.jpg



Close view of the erosion.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain
N/A : Not Applicable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	0.11	Rating **	U	Issue No.	82 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.048159 °	38.048159 °
				-121.016427 °	-121.016427 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: The erosion progressed at the site. Newly collapsed material is observed at the bottom of the erosion. 8/20/2014: The erosion at the site has worsened. The erosion increased in both length and in height. 09/12/2013: Site has been visited and signs of new erosion are visible. 08/22/2012: The erosion was surveyed and documented for monitoring purpose. There is no levee structure on the site, only high ground protecting the land behind. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM23.35]					

LM Start	0.11	Rating **	U	Issue No.	82 (cont)
LM End	0.47	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM23.35_3.jpg



Front view of the erosion. Looking from the right side of the river.

Photo 3 of 3 : SJR2015_NA0017U16RM23.35_4.jpg



Close view of the erosion. Signs of new erosion along the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	0.67	Rating **	N	Issue No.	216
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.045610 °	38.045610 °
				-121.022607 °	-121.022607 °
DWR ID	DWR_NA0017_16_s_2012_216				
Action/Comments					
Tree stumps.					

No Photos

LM Start	0.80	Rating **	M	Issue No.	72
LM End	0.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.044366 °	38.044366 °
				-121.024280 °	-121.024280 °
DWR ID	DWR_NA0017_16_s_2012_72				
Action/Comments					
Equipment					

No Photos

LM Start	0.90	Rating **	M	Issue No.	231
LM End	1.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.043248 °	38.040595 °
				-121.025309 °	-121.027945 °
DWR ID	DWR_NA0017_16_f_2015_231				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	1.38	Rating **	M	Issue No.	232
LM End	1.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.039618 °	38.039618
				-121.032266 °	-121.032266
DWR ID	DWR_NA0017_16_f_2015_232				
Action/Comments					
Prunings					

No Photos

LM Start	1.75	Rating **	M	Issue No.	76
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038080 °	38.038080 °
				-121.038676 °	-121.038676 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.95]					

Photo 1 of 3 : SJR2015_NA0017U16RM21.95_1.jpg



Front view of the erosion site.

LM Start	1.75	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM21.95_3.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	1.75	Rating **	M	Issue No.	76 (cont)
LM End	1.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.038080 °	38.038080 °
				-121.038676 °	-121.038676 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is covered by dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.95]					

Photo 3 of 3 : SJR2015_NA0017U16RM21.95_5.jpg



Close view of the erosion.

LM Start	1.77	Rating **	M	Issue No.	75
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed 9/12/2013: No significant change observed. 08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM21.94]					

Photo 1 of 3 : SJR2015_NA0017U16RM21.94_1.jpg



Looking at the erosion from right river bank.

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SJR2015_NA0017U16RM21.94_2.jpg



Front view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	1.77	Rating **	M	Issue No.	75 (cont)
LM End	1.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.037906 °	38.037906 °
				-121.038949 °	-121.038949 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed 9/12/2013: No significant change observed. 08/22/2012: Site is covered by dense vegetation. Berm width is estimated as 5 ft. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field.					

Photo 3 of 3 : SJR2015_NA0017U16RM21.94_4.jpg



Close view of the erosion. Note the dense vegetation.

LM Start	1.91	Rating **	M	Issue No.	155	
LM End	1.91	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.036248 °	38.036248 °	
				-121.040408 °	-121.040408 °	
DWR ID	DWR_NA0017_16_f_2013_155					
Action/Comments						
Schedule repair of erosion site prior to the next inspection.						

Photo 1 of 1 : FA_2015_NA0017_160_155_20150911_00087.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	2.00	Rating **	M	Issue No.	85
LM End	2.00	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.035118 °	38.035118 °
				-121.041227 °	-121.041227 °
DWR ID	DWR_NA0017_16_s_2012_85				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	2.30	Rating **	U	Issue No.	70
LM End	2.31	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.032202 °	38.032202 °
				-121.045226 °	-121.045226 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change has been observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion was first reported in the 2012 spring levee inspection report. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM20.62]					

LM Start	2.30	Rating **	U	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

LM Start	2.30	Rating **	U	Issue No.	70 (cont)
LM End	2.31	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : SJR2015_NA0017U16RM20.62_1.jpg



Front view of the site.

Photo 2 of 3 : SJR2015_NA0017U16RM20.62_2.jpg



Close view of the erosion. Note the vegetation at the site.

Photo 3 of 3 : SJR2015_NA0017U16RM20.62_5.jpg



Close view of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	2.35	Rating **	M	Issue No.	213
LM End	2.35	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.031763 °	38.031763
				-121.045808 °	-121.045808
DWR ID	DWR_NA0017_16_f_2012_213				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_160_213_20150911_00127.jpg



Updated picture of the slope instability on the waterside shoulder of the levee looking upstream.

LM Start	2.35	Rating **	M	Issue No.	213 (cont)
LM End	2.35	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_213_20150911_00128.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	2.36	Rating **	M	Issue No.	233
LM End	2.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.031654 °	38.031654
				-121.045925 °	-121.045925
DWR ID	DWR_NA0017_16_f_2015_233				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_233_20151023_00163.jpg



A rodent hole was found on the waterside of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	2.38	Rating **	M	Issue No.	234
LM End	2.38	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.031361 °	38.031361 °
				-121.046214 °	-121.046214 °
DWR ID	DWR_NA0017_16_f_2015_234				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	2.85	Rating **	U	Issue No.	64
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.026670 °	38.026670 °
				-121.053031 °	-121.053031 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM20]					

Photo 1 of 4 : SJR2015_NA0017U16RM20.00_1.jpg



Front view of the erosion.

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS

Photo 2 of 4 : SJR2015_NA0017U16RM20.00_2.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.026670 °	38.026670 °
				-121.053031 °	-121.053031 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Site Comprised of series of pocket and scarp erosions. Some of erosions are covered by grass or shrubs. There is no levee structure on site. The levee crest width and levee height were not					

Photo 3 of 4 : SJR2015_NA0017U16RM20.00_3.jpg



Front view of the erosion.

LM Start	2.85	Rating **	U	Issue No.	64 (cont)
LM End	2.91	Issue Type +	Ma	Location *	WS

Photo 4 of 4 : SJR2015_NA0017U16RM20.00_7.jpg



Close view of the scarp erosion. Note the small tree at the erosion site.

LM Start	3.23	Rating **	M	Issue No.	235
LM End	3.23	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.023392 °	38.023392
				-121.057924 °	-121.057924
DWR ID	DWR_NA0017_16_f_2015_235				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	3.41	Rating **	M	Issue No.	53
LM End	3.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.021650 °	38.021650 °
				-121.060312 °	-121.060312 °
DWR ID	DWR_NA0017_16_s_2012_53				
Action/Comments					
Prunings					
Inspector Comments: Burn pile has been burned but new material has been placed.					

Photo 1 of 1 : FA_2015_NA0017_160_53_20150911_00026.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	3.48	Rating **	M	Issue No.	152
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.020965 °	38.020965 °
				-121.061215 °	-121.061215 °
DWR ID	DWR_NA0017_16_f_2013_152				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_NA0017_160_152_20150911_00086.jpg



Arundo was found on the waterside toe of the levee looking upstream.

LM Start	3.53	Rating **	M	Issue No.	230
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.020433 °	38.020433 °
				-121.061867 °	-121.061867 °
DWR ID	DWR_NA0017_16_f_2012_230				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_160_230_20150911_00138.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	3.53	Rating **	M	Issue No.	230 (cont)
LM End	3.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.020433 °	38.020433 °
				-121.061867 °	-121.061867 °
DWR ID	DWR_NA0017_16_f_2012_230				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 2 of 2 : FA_2015_NA0017_160_230_20150911_00139.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	3.61	Rating **	M	Issue No.	54
LM End	3.61	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.019642 °	38.019642 °
				-121.062917 °	-121.062917 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: A pocket erosion was found near the water's edge. [2015 Site ID:NA0017U16RM19.29]					

Photo 1 of 2 : SJR2015_NA0017U16RM19.29_2.JPG



Close view of the erosion.

LM Start	3.61	Rating **	M	Issue No.	54 (cont)
LM End	3.61	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM19.29_4.JPG



View of the site.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	3.61	Rating **	M	Issue No.	211
LM End	3.61	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.019604 °	38.019604 °
				-121.062883 °	-121.062883 °
DWR ID	DWR_NA0017_16_s_2012_211				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					

No Photos

LM Start	3.67	Rating **	M	Issue No.	266
LM End	3.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.018892 °	38.016572 °
				-121.063528 °	-121.065962 °
DWR ID	DWR_NA0017_16_f_2014_266				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	3.81	Rating **	C	Issue No.	267
LM End	3.81	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.017398 °	38.017398 °
				-121.065198 °	-121.065198 °
DWR ID	DWR_NA0017_16_f_2014_267				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	4.16	Rating **	U	Issue No.	47
LM End	4.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			38.012792 °	38.012792 °
				-121.068073 °	-121.068073 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: An irrigation pipe is present at the site, but probably did not cause the erosion. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM18.69]					

LM Start	4.16	Rating **	U	Issue No.	47 (cont)
LM End	4.18	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2015_NA0017U16RM18.69_1.jpg



View of the erosion site.

Photo 2 of 2 : SJR2015_NA0017U16RM18.69_2.jpg



Closer view of the erosion.

LM Start	4.19	Rating **	M	Issue No.	236
LM End	4.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.012491 °	38.012491 °
				-121.068118 °	-121.068118 °
DWR ID	DWR_NA0017_16_f_2015_236				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion created by broken pipe.					

Photo 1 of 1 : FA_2015_NA0017_160_236_20151023_00164.jpg



Erosion caused by a broken pipe on the waterside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	4.20	Rating **	M	Issue No.	228
LM End	4.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.012288 °	38.012288 °
				-121.068239 °	-121.068239 °
DWR ID	DWR_NA0017_16_f_2012_228				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_160_228_20150911_00136.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	4.20	Rating **	M	Issue No.	228 (cont)
LM End	4.20	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_228_20150911_00137.jpg



Slope instability was found on the waterside shoulder of the levee looking downstream.

LM Start	4.28	Rating **	M	Issue No.	73
LM End	4.28	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.011201 °	38.011201 °
				-121.068581 °	-121.068581 °
DWR ID	DWR_NA0017_16_s_2013_73				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_160_73_20151023_00165.jpg



Erosion was found on the waterside shoulder of the levee looking upstream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	4.38	Rating **	C	Issue No.	141
LM End	4.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.009858 °	38.009858
				-121.069005 °	-121.069005
DWR ID	DWR_NA0017_16_s _ 2014_141				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	4.45	Rating **	C	Issue No.	243
LM End	4.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.008863 °	38.008863 °
				-121.069267 °	-121.069267 °
DWR ID	DWR_NA0017_16_s _ 2015_243				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	4.85	Rating **	M	Issue No.	245
LM End	4.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.003673 °	38.003673 °
				-121.072496 °	-121.072496 °
DWR ID	DWR_NA0017_16_s _ 2015_245				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2015_NA0017_160_245_20150911_00142.jpg



View of erosion on the waterside slope of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.05	Rating **	M	Issue No.	196
LM End	5.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.001284 °	38.000116 °
				-121.074596 °	-121.075633 °
DWR ID	DWR_NA0017_16_s_2012_196				
Action/Comments					
Debris					

Photo 1 of 2 : FA_2015_NA0017_160_196_20150911_00114.jpg



Concrete debris was found on the waterside slope of the levee looking upstream.

LM Start	5.05	Rating **	M	Issue No.	196 (cont)
LM End	5.15	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_196_20150911_00115.jpg



Debris was found on the waterside of the levee looking upstream.

LM Start	5.16	Rating **	C	Issue No.	42
LM End	5.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.000057 °	38.000057 °
				-121.075773 °	-121.075773 °
DWR ID	DWR_NA0017_16_s_2014_42				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.20	Rating **	M	Issue No.	265
LM End	5.20	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.999537 °	37.999537 °
				-121.076133 °	-121.076133 °
DWR ID	DWR_NA0017_16_f_2014_265				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_160_265_20150911_00150.jpg



A slope instability was found on the waterside slope of the levee looking upstream.

LM Start	5.29	Rating **	N	Issue No.	226
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998515 °	37.998515 °
				-121.077104 °	-121.077104 °
DWR ID	DWR_NA0017_16_f_2012_226				
Action/Comments					
Tree stumps.					

No Photos

LM Start	5.29	Rating **	N	Issue No.	195
LM End	5.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.998517 °	37.998517 °
				-121.077116 °	-121.077116 °
DWR ID	DWR_NA0017_16_s_2012_195				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.33	Rating **	M	Issue No.	41
LM End	5.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.997720 °	37.997720 °
				-121.077807 °	-121.077807 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The site is located at the opposite river bank of E. Tobacco Road. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM17.81]					

Photo 1 of 2 : SJR2015_NA0017U16RM17.81_2.jpg



Front view of the site.

LM Start	5.33	Rating **	M	Issue No.	41 (cont)
LM End	5.38	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM17.81_5.jpg



Close view of the erosion.

LM Start	5.56	Rating **	U	Issue No.	40
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site					

Photo 1 of 3 : SJR2015_NA0017U16RM17.27_2.JPG



Close view of the erosion.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.56	Rating **	U	Issue No.	40 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.995216 °	37.995216 °
				-121.080159 °	-121.080159 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: The erosion seems to be caused by high river flow. Dense vegetation is present at the site. Signs of animal activities are visible. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM17.27]					

Photo 2 of 3 : SJR2015_NA0017U16RM17.27_4.JPG



View from the right river bank.

LM Start	5.56	Rating **	U	Issue No.	40 (cont)
LM End	5.58	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2015_NA0017U16RM17.27_6.JPG



Close view of the erosion.

LM Start	5.70	Rating **	M	Issue No.	57
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993593 °	37.993030 °
				-121.081493 °	-121.082014 °
DWR ID	DWR_NA0017_16_s_2012_57				
Action/Comments					
Equipment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.71	Rating **	M	Issue No.	39
LM End	5.72	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.993525 °	37.993525 °
				-121.081679 °	-121.081679 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: The erosion is near a tree and probably has been made worse by the unstable bank slope. [2015 Site ID:NA0017U16RM17.11]					

Photo 1 of 2 : SJR2015_NA0017U16RM17.11_1.JPG



View of the site from the right river bank.

LM Start	5.71	Rating **	M	Issue No.	39 (cont)
LM End	5.72	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM17.11_2.JPG



Close view of the erosion.

LM Start	5.75	Rating **	M	Issue No.	172
LM End	5.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.993108 °	37.993108 °
				-121.082033 °	-121.082033 °
DWR ID	DWR_NA0017_16_s_2012_172				
Action/Comments					
Equipment					

Photo 1 of 1 : FA_2015_NA0017_160_172_20150911_00103.jpg



View of equipment located on the waterward side looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	5.87	Rating **	M	Issue No.	264
LM End	5.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.991628 °	37.991628 °
				-121.083312 °	-121.083312 °
DWR ID	DWR_NA0017_16_f_2014_264				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : FA_2015_NA0017_160_264_20150911_00149.jpg



A slope instability was found on the waterside of the levee looking upstream.

LM Start	6.15	Rating **	M	Issue No.	170
LM End	6.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.988385 °	37.988385 °
				-121.086292 °	-121.086292 °
DWR ID	DWR_NA0017_16_s_2012_170				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : FA_2015_NA0017_160_170_20150911_00100.jpg



Updated picture of the rodent holes on the waterside shoulder of the levee looking downstream.

LM Start	6.15	Rating **	M	Issue No.	170 (cont)
LM End	6.15	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_170_20150911_00101.jpg



An animal hole was found on the waterside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	6.24	Rating **	M	Issue No.	50
LM End	6.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.987303 °	37.987303 °
				-121.087292 °	-121.087292 °
DWR ID	DWR_NA0017_16_s_2014_50				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_50_20150911_00024.jpg



View of a rodent hole on the waterside slope of the levee. The picture was taken from the opposite side of the levee.

LM Start	6.42	Rating **	M	Issue No.	49
LM End	6.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.985104 °	37.981327 °
				-121.088851 °	-121.094343 °
DWR ID	DWR_NA0017_16_f_2015_49				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	6.49	Rating **	U	Issue No.	38
LM End	6.68	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.983279 °	37.983279 °
				-121.090843 °	-121.090843 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: Site has been surveyed and the erosion has worsened since last year. 08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM16.27]					

Photo 1 of 3 : SJR2015_NA0017U16RM16.27_1.jpg



Downstream view of the site from the right river bank.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	6.49	Rating **	U	Issue No.	38 (cont)	
LM End	6.68	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR Erosion Survey			37.983279 °	37.983279 °	
				-121.090843 °	-121.090843 °	
DWR ID						
Action/Comments						
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: Site has been surveyed and the erosion has worsened since last year. 08/22/2012: Discontinuous scarp or pocket erosions occurred along a long stretch of the river, with an erosion height greater than 25 ft. at certain points. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM16.27]						

Photo 2 of 3 : SJR2015_NA0017U16RM16.27_2.jpg



Closer view of the erosion.

Photo 3 of 3 : SJR2015_NA0017U16RM16.27_7.jpg



Close view of the erosion.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	6.70	Rating **	M	Issue No.	120
LM End	6.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.982299 °	37.982299 °
				-121.092665 °	-121.092665 °
DWR ID	DWR_NA0017_16_s_2014_120				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_160_120_20150911_00063.jpg



Updated picture of the slope instability on the waterside of the levee looking downstream.

LM Start	6.70	Rating **	M	Issue No.	120 (cont)
LM End	6.70	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_120_20150911_00064.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	7.16	Rating **	M	Issue No.	61
LM End	7.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.978850 °	37.978850 °
				-121.099325 °	-121.099325 °
DWR ID	DWR_NA0017_16_s_2012_61				
Action/Comments					
Debris					
Inspector Comments: Farmer has burned the material, but some new material has been placed. Farmer has been told to not put any material at this location in the future.					

Photo 1 of 1 : FA_2015_NA0017_160_61_20150911_00031.jpg



Debris and prunings were found on the waterside of the levee looking upstream.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	7.27	Rating **	U	Issue No.	37
LM End	7.33	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.978194 °	37.978194 °
				-121.101696 °	-121.101696 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. Note the site ID changed from NA0017U16RM10.82 to NA0017U16RM15.57 to reflect the correct river mile. 09/12/2013: The site is located at immediately downstream of a levee segment protected by broken concrete. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM15.57]					

LM Start	7.27	Rating **	U	Issue No.	37 (cont)
LM End	7.33	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2015_NA0017U16RM15.57_3.JPG



Close view of the erosion.

Photo 2 of 2 : SJR2015_NA0017U16RM15.57_5.JPG



Close view of the erosion.

LM Start	7.39	Rating **	M	Issue No.	246
LM End	7.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977610 °	37.977610 °
				-121.103159 °	-121.103159 °
DWR ID	DWR_NA0017_16_s_2015_246				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : FA_2015_NA0017_160_246_20150911_00143.jpg



Erosion was found on the waterside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	7.42	Rating **	M	Issue No.	237
LM End	7.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.977421 °	37.977421 °
				-121.103507 °	-121.103507 °
DWR ID	DWR_NA0017_16_f_2015_237				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_160_237_20151023_00166.jpg



Erosion caused by runoff was found on the waterside shoulder of the levee.

LM Start	7.57	Rating **	U	Issue No.	218
LM End	7.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control				°
					°
DWR ID	DWR_NA0017_16_s_2012_218				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_218_20150911_00132.jpg



A possible beaver den was found on waterside slope of the levee. The picture was taken from the opposite bank of the levee.

LM Start	7.65	Rating **	M	Issue No.	238
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.975388 °	37.972021 °
				-121.106829 °	-121.112816 °
DWR ID	DWR_NA0017_16_f_2015_238				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side WS : Water Side CR : Crown		A : Acceptable M : Minimally Acceptable U : Unacceptable		Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
N/A : Not Applicable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	8.34	Rating **	M	Issue No.	36
LM End	8.38	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.969213 °	37.969213 °
				-121.116574 °	-121.116574 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion occurred on a berm of approximately 25 ft. wide. Site is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM14.48]					

LM Start	8.34	Rating **	M	Issue No.	36 (cont)
LM End	8.38	Issue Type +	Ma	Location *	WS

Photo 1 of 2 : SJR2015_NA0017U16RM14.48_1.jpg



View of the site from the right river bank.

Photo 2 of 2 : SJR2015_NA0017U16RM14.48_4.jpg



Close view of the erosion.

LM Start	8.60	Rating **	M	Issue No.	128
LM End	8.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.968157 °	37.968157 °
				-121.120620 °	-121.120620 °
DWR ID	DWR_NA0017_16_s_2013_128				
Action/Comments					
Repair slope instability.					

Photo 1 of 2 : FA_2015_NA0017_160_128_20150911_00069.jpg



Updated picture of the slope instability on the waterside of the levee looking upstream during spring 2014 inspection.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	8.60	Rating **	M	Issue No.	128 (cont)
LM End	8.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.968157 °	37.968157 °
				-121.120620 °	-121.120620 °
DWR ID	DWR_NA0017_16_s_2013_128				
Action/Comments					
Repair slope instability.					

Photo 2 of 2 : FA_2015_NA0017_160_128_20150911_00070.jpg



Slope instability was found on the waterside slope of the levee looking downstream.

LM Start	8.68	Rating **	M	Issue No.	248
LM End	8.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.968169 °	37.968169 °
				-121.122047 °	-121.122047 °
DWR ID	DWR_NA0017_16_s_2015_248				
Action/Comments					
Note and monitor erosion site. Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_160_248_20150911_00144.jpg



Erosion was found on the waterside looking downstream.

LM Start	8.68	Rating **	C	Issue No.	127
LM End	8.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.968164 °	37.968164 °
				-121.122184 °	-121.122184 °
DWR ID	DWR_NA0017_16_f_2013_127				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. Inspector Comments: Collapsed animal hole on the waterside shoulder of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	9.00	Rating **	M	Issue No.	18
LM End	9.00	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966615 °	37.966615 °
				-121.127328 °	-121.127328 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Pocket erosion at the levee toe and slope. The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.86]					

Photo 1 of 2 : SJR2015_NA0017U16RM13.86_2.jpg



Front view of the erosion.

LM Start	9.00	Rating **	M	Issue No.	18 (cont)
LM End	9.00	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM13.86_5.jpg



Closer view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	14
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922 °	37.966922 °
				-121.129533 °	-121.129533 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.72]					

Photo 1 of 3 : SJR2015_NA0017U16RM13.72_3.jpg



Close view of the erosion.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	9.11	Rating **	M	Issue No.	14 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.966922 °	37.966922 °
				-121.129533 °	-121.129533 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: The erosion is covered with dense vegetation. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM13.72]					

Photo 2 of 3 : SJR2015_NA0017U16RM13.72_4.jpg



Close view of the erosion.

LM Start	9.11	Rating **	M	Issue No.	14 (cont)
LM End	9.13	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SJR2015_NA0017U16RM13.72_5.jpg



Front view of the erosion.

LM Start	9.48	Rating **	M	Issue No.	28
LM End	9.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.966239 °	37.966239 °
				-121.136172 °	-121.136172 °
DWR ID	DWR_NA0017_16_f _ 2013_28				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Erosion was found on the waterside toe of the levee.					

Photo 1 of 1 : FA_2015_NA0017_160_28_20150911_00011.jpg



View of the erosion on the waterside toe of the levee looking from the opposite side of the levee.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	9.86	Rating **	M	Issue No.	10
LM End	9.88	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.964735 °	37.964735 °
				-121.142503 °	-121.142503 °
DWR ID					
Action/Comments					
Inspector Comments: 8/12/2015: No significant change observed. 8/20/2014: No significant change observed. 9/12/2013: No significant change observed. 08/22/2012: Dense vegetation on site. There is no levee structure on site. The levee crest width and levee height were not measured or estimated in the field. [2015 Site ID:NA0017U16RM12.95]					

Photo 1 of 2 : SJR2015_NA0017U16RM12.95_2.jpg



Front view of the erosion.

LM Start	9.86	Rating **	M	Issue No.	10 (cont)
LM End	9.88	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SJR2015_NA0017U16RM12.95_5.jpg



Closer view of the erosion.

LM Start	10.45	Rating **	M	Issue No.	91
LM End	10.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.964159 °	37.964159 °
				-121.153094 °	-121.153094 °
DWR ID	DWR_NA0017_16_s_2012_91				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	10.48	Rating **	M	Issue No.	80
LM End	10.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.964053 °	37.964053 °
				-121.153671 °	-121.153671 °
DWR ID	DWR_NA0017_16_s_2012_80				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	10.75	Rating **	M	Issue No.	90
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.962472 °	37.962472 °
				-121.158112 °	-121.158112 °
DWR ID	DWR_NA0017_16_s_2012_90				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2015_NA0017_160_90_20150911_00046.jpg



Prunings were found on the waterside shoulder of the levee looking downstream.

LM Start	10.75	Rating **	M	Issue No.	90 (cont)
LM End	10.75	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_90_20150911_00047.jpg



Prunings were found on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	10.79	Rating **	M	Issue No.	139
LM End	10.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.962182 °	37.962182
				-121.158684 °	-121.158684
DWR ID	DWR_NA0017_16_s_2013_139				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_160_139_20150911_00078.jpg



Updated picture of the erosion on the waterside shoulder of the levee looking downstream.

LM Start	10.79	Rating **	M	Issue No.	139 (cont)
LM End	10.79	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_139_20150911_00079.jpg



Erosion was found on the waterside of the levee looking downstream.

LM Start	10.84	Rating **	C	Issue No.	140
LM End	10.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961681 °	37.961681 °
				-121.159346 °	-121.159346 °
DWR ID	DWR_NA0017_16_s_2013_140				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	10.89	Rating **	M	Issue No.	108
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.961494 °	37.961494
				-121.160196 °	-121.160196
DWR ID	DWR_NA0017_16_s_2014_108				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_108_20150911_00053.jpg



Rodent holes were found on the waterside shoulder of the levee looking downstream.

LM Start	11.62	Rating **	M	Issue No.	239
LM End	11.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960902 °	37.960902 °
				-121.172881 °	-121.172881 °
DWR ID	DWR_NA0017_16_f_2015_239				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	12.62	Rating **	M	Issue No.	244
LM End	12.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.960191 °	37.959433 °
				-121.190993 °	-121.194736 °
DWR ID	DWR_NA0017_16_f_2015_244				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	12.70	Rating **	A	Issue No.	247
LM End	12.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.959834 °	37.959433 °
				-121.192461 °	-121.194736 °
DWR ID	DWR_NA0017_16_f_2015_247				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	12.94	Rating **	C	Issue No.	261
LM End	12.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960292 °	37.960292 °
				-121.196308 °	-121.196308 °
DWR ID	DWR_NA0017_16_f_2014_261				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	14.25	Rating **	M	Issue No.	249
LM End	14.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.967046 °	37.967046 °
				-121.217319 °	-121.217319 °
DWR ID	DWR_NA0017_16_f_2015_249				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_160_249_20151023_00167.jpg



View of the erosion caused by surface runoff on the landside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	14.48	Rating **	U	Issue No.	260
LM End	14.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.968800 °	37.968800 °
				-121.220755 °	-121.220755 °
DWR ID	DWR_NA0017_16_f _ 2014_260				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_260_20150911_00147.jpg



Rodent holes were found on the landside slope of the levee looking upstream.

LM Start	14.59	Rating **	M	Issue No.	259
LM End	14.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969732 °	37.969732 °
				-121.222552 °	-121.222552 °
DWR ID	DWR_NA0017_16_f_2014_259				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	14.61	Rating **	U	Issue No.	273
LM End	14.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.969913 °	37.969913 °
				-121.222870 °	-121.222870 °
DWR ID	DWR_NA0017_16_s_2015_273				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_160_273_20150911_00156.jpg



Rodent holes were found on the landside of the levee looking upstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	16.12	Rating **	M	Issue No.	71
LM End	16.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980250 °	37.980250 °
				-121.247141 °	-121.247141 °
DWR ID	DWR_NA0017_16_s_2014_71				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

LM Start	16.43	Rating **	M	Issue No.	150
LM End	16.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.982318 °	37.982318 °
				-121.252095 °	-121.252095 °
DWR ID	DWR_NA0017_16_s_2013_150				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 2 : FA_2015_NA0017_160_150_20150911_00084.jpg



Updated picture of the erosion on the landside shoulder of the levee looking upstream during spring 2015 inspection.

LM Start	16.43	Rating **	M	Issue No.	150 (cont)
LM End	16.43	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2015_NA0017_160_150_20150911_00085.jpg



Erosion was found on the landside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	19.04	Rating **	N	Issue No.	65
LM End	19.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.991617 °	37.991617 °
				-121.295628 °	-121.295628 °
DWR ID	DWR_NA0017_16_s _ 2012_65				
Action/Comments					
Tree stumps.					

Photo 1 of 1 : FA_2015_NA0017_160_65_20150911_00033.jpg



A tree stump was found on the landside of the levee looking upstream.

LM Start	19.87	Rating **	C	Issue No.	257
LM End	19.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.986090 °	37.986090 °
				-121.307283 °	-121.307283 °
DWR ID	DWR_NA0017_16_f _ 2014_257				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	19.88	Rating **	C	Issue No.	276
LM End	19.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.985971 °	37.985971 °
				-121.307357 °	-121.307357 °
DWR ID	DWR_NA0017_16_s _ 2015_276				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	19.92	Rating **	C	Issue No.	256
LM End	19.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.985457 °	37.985457 °
				-121.307658 °	-121.307658 °
DWR ID	DWR_NA0017_16_f_2014_256				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	20.58	Rating **	C	Issue No.	278
LM End	20.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.979405 °	37.979405 °
				-121.316733 °	-121.316733 °
DWR ID	DWR_NA0017_16_s_2015_278				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	20.79	Rating **	N	Issue No.	95
LM End	20.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.979739 °	37.979739
				-121.319993 °	-121.319993
DWR ID	DWR_NA0017_16_s_2012_95				
Action/Comments					
Tree stumps.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	20.83	Rating **	N	Issue No.	84
LM End	20.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.980085 °	37.980085
				-121.320448 °	-121.320448
DWR ID	DWR_NA0017_16_s_2012_84				
Action/Comments					
Tree stumps.					

No Photos

LM Start	20.85	Rating **	C	Issue No.	83
LM End	20.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.980192 °	37.980192 °
				-121.320720 °	-121.320720 °
DWR ID	DWR_NA0017_16_f_2013_83				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

LM Start	20.90	Rating **	C	Issue No.	175
LM End	20.90	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980477 °	37.980477 °
				-121.321656 °	-121.321656 °
DWR ID	DWR_NA0017_16_s_2013_175				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	20.97	Rating **	M	Issue No.	197
LM End	20.97	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980569 °	37.980569
				-121.322985 °	-121.322985
DWR ID	DWR_NA0017_16_s_2013_197				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 2 : FA_2015_NA0017_160_197_20150911_00116.jpg



Updated picture of the erosion on the waterside of the levee looking upstream during spring 2014 inspection.

LM Start	20.97	Rating **	M	Issue No.	197 (cont)
LM End	20.97	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_160_197_20150911_00117.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.07	Rating **	M	Issue No.	279
LM End	21.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.980866 °	37.980866 °
				-121.324682 °	-121.324682 °
DWR ID	DWR_NA0017_16_s_2015_279				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_160_279_20151023_00169.jpg



Debris was found on the waterside shoulder of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	21.18	Rating **	M	Issue No.	27
LM End	21.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.981235 °	37.981235
				-121.326604 °	-121.326604
DWR ID	DWR_NA0017_16_f_2015_27				
Action/Comments					
Debris					

No Photos

LM Start	21.31	Rating **	M	Issue No.	74
LM End	21.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.980773 °	37.980773 °
				-121.328866 °	-121.328866 °
DWR ID	DWR_NA0017_16_f_2013_74				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					
Inspector Comments: Runoff					

Photo 1 of 1 : FA_2015_NA0017_160_74_20150911_00040.jpg



Erosion due to runoff was found on the waterside of the levee looking upstream.

LM Start	21.54	Rating **	M	Issue No.	761	
LM End	21.54	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments					o
						o
DWR ID	DWR_NA0017_16_s_2012_761					
Action/Comments						
Pipe						

Photo 1 of 1 : FA_2015_NA0017_160_761_20150911_00161.jpg



An abandoned pipe was found on the waterside of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	21.68	Rating **	M	Issue No.	68
LM End	21.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979674 °	37.979674 °
				-121.335228 °	-121.335228 °
DWR ID	DWR_NA0017_16_f_2012_68				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_160_68_20150911_00036.jpg



Erosion was found on the waterside slope of the levee looking upstream.

LM Start	21.82	Rating **	C	Issue No.	203
LM End	21.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.979412 °	37.979412 °
				-121.337810 °	-121.337810 °
DWR ID	DWR_NA0017_16_s_2013_203				
Action/Comments					
Repair slope instability.					

No Photos

LM Start	21.94	Rating **	M	Issue No.	62
LM End	21.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.979251 °	37.979251 °
				-121.340012 °	-121.340012 °
DWR ID	DWR_NA0017_16_f_2013_62				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : FA_2015_NA0017_160_62_20150911_00032.jpg



Erosion was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s _ 2012_48				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Caltrans repaired the issue. (Permit # 18532) Another repair might be needed if it deteriorates.					

Photo 1 of 5 : FA_2015_NA0017_160_48_20150911_00018.jpg



Caltrans repaired the erosion under the southbound (I-5) bridge. The picture was taken from the crown looking upstream during fall 2014 inspection.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : FA_2015_NA0017_160_48_20150911_00020.jpg



Updated picture of erosion was found on the waterside toe of the levee looking from the opposite side of the levee.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 3 of 5 : FA_2015_NA0017_160_48_20150911_00021.jpg



Updated view of the erosion site repaired by Caltrans on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			37.978697 °	37.978697 °
				-121.341581 °	-121.341581 °
DWR ID	DWR_NA0017_16_s _ 2012_48				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Caltrans repaired the issue. (Permit # 18532) Another repair might be needed if it deteriorates.					

Photo 4 of 5 : FA_2015_NA0017_160_48_20150911_00022.jpg



View of the erosion site repaired by Caltrans under the I-5 freeway going southbound. This picture was taken from the toe of the levee looking upstream.

LM Start	22.04	Rating **	A/W	Issue No.	48 (cont)
LM End	22.04	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : FA_2015_NA0017_160_48_20150911_00023.jpg



View of the erosion under the I-5 bridge looking upstream.

LM Start	22.27	Rating **	M	Issue No.	43
LM End	22.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.976308 °	37.976308 °
				-121.344698 °	-121.344698 °
DWR ID	DWR_NA0017_16_f _ 2013_43				
Action/Comments					
Debris					

Photo 1 of 1 : FA_2015_NA0017_160_43_20150911_00016.jpg



Debris was found on the waterside shoulder of the levee looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	22.33	Rating **	C	Issue No.	254
LM End	22.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.975782 °	37.975782
				-121.345423 °	-121.345423
DWR ID	DWR_NA0017_16_f_2014_254				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	22.48	Rating **	C	Issue No.	252
LM End	22.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.974062 °	37.974062 °
				-121.347198 °	-121.347198 °
DWR ID	DWR_NA0017_16_f_2014_252				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	22.55	Rating **	U	Issue No.	45
LM End	22.55	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.973386 °	37.973386 °
				-121.348241 °	-121.348241 °
DWR ID	DWR_NA0017_16_f_2012_45				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Arrundo on the waterside of the levee.					

Photo 1 of 1 : FA_2015_NA0017_160_45_20150911_00017.jpg



Arundo was found on the waterside slope of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 16 Mormon Slough	Left	23.48	10/15/2015 10/22/2015	Pavel Kazi

LM Start	22.59	Rating **	M	Issue No.	284
LM End	22.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.973100 °	37.973100 °
				-121.348803 °	-121.348803 °
DWR ID	DWR_NA0017_16_s _ 2015_284				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/16/2015 10/16/2015	Pavel Kazi

LM Start	0.13	Rating **	M	Issue No.	7
LM End	0.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.959971 °	37.959505 °
				-121.161177 °	-121.157914 °
DWR ID	DWR_NA0017_17_f_2015_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_NA0017_161_7_20151023_00008.jpg



View of the vegetation on the waterside of the levee looking upstream.

LM Start	0.60	Rating **	M	Issue No.	5
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958966 °	37.958966 °
				-121.152641 °	-121.152641 °
DWR ID	DWR_NA0017_17_s_2012_5				
Action/Comments					
Prunings					

Photo 1 of 2 : FA_2015_NA0017_161_5_20150911_00004.jpg



Updated picture of the prunings on the waterside of the levee looking upstream during fall 2014 inspection.

LM Start	0.60	Rating **	M	Issue No.	5 (cont)
LM End	0.60	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : FA_2015_NA0017_161_5_20150911_00005.jpg



Prunings were found on the waterside of the levee looking upstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 17 Potter Creek	Right	0.86	10/16/2015 10/16/2015	Pavel Kazi

LM Start	0.67	Rating **	M	Issue No.	10
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.958702 °	37.958702 °
				-121.151544 °	-121.151544 °
DWR ID	DWR_NA0017_17_s_2012_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA_2015_NA0017_161_10_20150911_00007.jpg



Slope instability was found on the waterside of the levee looking upstream.

LM Start	0.68	Rating **	M	Issue No.	3
LM End	0.68	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.958590 °	37.958590 °
				-121.151408 °	-121.151408 °
DWR ID	DWR_NA0017_17_s_2012_3				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_161_3_20150911_00002.jpg



View of a prunings pile along the waterward bank looking downstream.

LM Start	0.78	Rating **	M	Issue No.	2
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.957934 °	37.957934 °
				-121.149911 °	-121.149911 °
DWR ID	DWR_NA0017_17_s_2012_2				
Action/Comments					
Prunings					

Photo 1 of 1 : FA_2015_NA0017_161_2_20150911_00001.jpg



View of a prunings pile along the waterward bank looking downstream.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2015

San Joaquin County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 18 Potter Creek	Left	0.91	10/16/2015 10/16/2015	Pavel Kazi

LM Start	0.52	Rating **	A	Issue No.	3
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.959061 °	37.959061 °
				-121.157343 °	-121.157343 °
DWR ID	DWR_NA0017_18_f _ 2015_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Acceptable vegetation.					

Photo 1 of 1 : FA_2015_NA0017_162_3_20151023_00002.jpg



View of the waterside slope of the levee.

LM Start	0.87	Rating **	M	Issue No.	4
LM End	0.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.960206 °	37.960206 °
				-121.163559 °	-121.163559 °
DWR ID	DWR_NA0017_18_f_2015_4				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA_2015_NA0017_162_4_20151023_00003.jpg



Rodent holes were found on the landside of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--